

**2002 U.S. STANDARD UNITS (Inch-Pound Units)
STANDARD SPECIFICATIONS
and
SPECIAL PROVISIONS**

CSI-Inch/Pound

Project No: BHF-0191(13)129

Name: SR-191 OVER COLORADO RIVER NEAR MOAB
MINOR BRIDGE REHAB

County: GRAND

Bid Opening: June 03, 2003
Date

MANDATORY PRE-BID CONFERENCE

Date: May 21, 2003

Time: 01:00 pm

Location: UDOT Moab Construction Division Office
424 Kane Creek Blvd, Moab, Utah

Conference attendance is a requirement for bid submission.

Special Note: Prosecution and Progress "G" states "No work will be allowed in the Colorado River water way from May 01, through September 30.



Table of Contents

Project #BHF-0191(13)129

- I. Statement of 2002 Standard Specifications for Road and Bridge Construction applicability
- II. List of Revised Standard Specifications
- III. List of Revised Standard Drawings
- IV. Materials Minimum Sampling and Testing
- V. Notice to Contractors (Inserted by Advertising)
- VI. Use of Minority or Women Owned Banks
- VII. Bid Conditions Disadvantaged Business Enterprise
- VIII. Attention Contractors
- IX. Specific Equal Employment Opportunity Responsibilities
- X. Required Contract Provisions, Federal-Aid Construction Contracts (PR-1273)
- XI. Wage Rates Applicable/Wage Rates Non-Applicable (Inserted by Advertising)
- XII. Bidding Schedule (Inserted by Advertising)
- XIII. Measurement and Payment (Inserted by Design Engineer)
- XIV. PDBS Project Summary Report (Inserted by Design Engineer)
- XV. PDBS Detailed Stationing Summaries Report (Inserted by Design Engineer)
- XVI. Special Provisions (Inserted by Design Engineer)
 - 1. 00250S Mandatory Prebid Conference
 - 2. 00555M Prosecution and Progress
 - 3. 02373M Riprap
 - 4. 02381S Scour Protection
 - 5. 02481S Fiber Reinforced Polymer Wrap
 - 6. 03350S Underwater Patching Concrete

7. 03922M Delamination Repair
8. 03924M Structural Concrete Repair

I. 2002 Standard Specifications

The State of Utah Standard Specifications for Road and Bridge Construction, U.S. Standard Units (Inch Pound Units) CSI Format, Edition of 2002 with Changes One and Two included applies on this project as a static Specification Book.

Refer to Part II (List of Revised Standard Specifications) and Part XVI (Special Provisions) for other project specific specifications.

II. List of Revised Standard Specifications

Change One – Included in 2002 Standard Specifications

Revised August 29, 2002

Section 00570 Articles 1.2 A 69, A 71 b (deleted)
Section 00727 Articles 1.1 D; 1.5 B; 1.9; 1.10; 1.16 B, C; 1.18 B
Section 01574 Articles 1.2 B
Section 02721 Articles 1.2 D (added), H (replaced), I (deleted); 1.6 B1; 2.1 A Table 3;
3.2 C
Section 02741 Articles 3.8 E 2 a, b
Section 02821 Articles 3.1 A
Section 02892 Articles 1.5 A, B
Section 02936 Articles 1.4; 1.5 C
Section 03152 Articles 1.2 P, Q; 2.2 A, B
Section 05120 Articles 1.4 A (deleted), 3.3 A
Section 16525 Articles 1.6 A, B

Change Two – Included in 2002 Standard Specifications

Revised December 19, 2002

Section 01561 Article 3.1 A
Section 02075 Article 2.7 A
Section 02372 Article 2.1 A 4
Section 02455 Article 3.3 B 2
Section 02785 Article 3.2 C
Section 02861 Article 3.3 A
Section 03055 Articles 1.2 P (inserted), 2.3 B, 2.4 (deleted), 2.7 A 1 a-e (added), 2.7 B 2
(added), 2.8 A 1 a, 2.8 A 2 (deleted), 2.9 A3, 3.2 A Table, 3.2 C, 3.7 A 3, 3.8 C 1, 3.9 A-
B, 3.10, 3.11 B 1, 3.11 B 3
Section 07922 Article 2.1 Table 1

Change Three

Revised February 27, 2003

Section 01355 Article 1.3 A 3

Section 01721 1.4 C deleted and moved to Measurement and Payment document

Section 02222 Changed title from Site Demolition-Pavement to Site Demolition - Concrete, A, 3.2 Title, 3.2 A

Section 02224 New Specification

Section 02316 1.2 A, D, I added, 1.3 added, 1.7 B, C, D, E, F, G added, 3.9 A added

Section 02455 3.3 B 2 (corrected error from change two)

Section 02721 1.2 Related Sections added, 1.3 H and I added, 1.7 B, 1.7 F deleted, 2.1 B added, 2.2 deleted, 3.1 Title changed, 3.2 B reference added, 3.2 E added

Section 02741 1.4 C6a added, 1.4 H, Table 3, 2.4 A, 2.4 C, Table 9, 2.5 B 1-3, 2.5 B 4 added, 2.5 D, 3.1 A1 deleted, 3.2 C3 added, 3.7 D1, 3.9 B4, 3.9 B5 added, 3.9 E note added

Section 02744 Entire Section deleted

Section 02745 1.4 A9

Section 02785 1.2 C and D added

Section 02892 Added Articles, 1.3 N, O, Y, 1.5 D, 2.4 I, 2.5 C, D, E, 2.6 B3 - B6, 2.6 C, 2.16, 2.17, 3.11 and Revised Articles 3.5 F and Table Number, 3.5 G and Table Number

Section 02896 2.1 A, B and 3.1 A drawing number corrected

Section 16525 1.2 H

III. List of Revised Standard Drawings

Change One

Revised December 19, 2002

AT 7	Polymer Concrete Junction Box Details	12/19/2002
BA 1A	Precast Concrete Full Barrier Standard Section	12/19/2002
BA 1B	Precast Concrete Full Barrier Standard Section	12/19/2002
BA 3	Cast In Place Constant Slope Barrier	12/19/2002
BA 4B	Beam Guardrail Installations	12/19/2002
BA 4C	Beam Guardrail Anchor Type I	12/19/2002
CC 6	Crash Cushion Type E Sand Barrel Details	12/19/2002
DG 3	Maximum Fill Height and End Sections for HDPE And PVC Pipes	12/19/2002
DG 4	Pipe Culverts Minimum Cover	12/19/2002
EN 4	Temporary Erosion Control (Drop-Inlet Barriers)	12/19/2002
GW 1	Raised Median and Plowable End Section	12/19/2002
PV 2	Pavement Approach Slab Details	12/19/2002
SL 13	Traffic Counting Loop Detector Details	12/19/2002
SN 2	Flashing School Sign	12/19/2002
SN 4	Flashing Stop Sign	12/19/2002
SN 5	Typical Installation For Milepost Signs	12/19/2002
SN 8	Ground Mounted Timber Sign Post (P1)	12/19/2002
ST 1	Object Marker "T" Intersection and Pavement Transition Guidance	12/19/2002
ST 7	Pavement Markings and Signs at Railroad Crossings	12/19/2002
SW 3A	Precast Concrete Noise Wall 1 of 2	12/19/2002
SW 3B	Precast Concrete Noise Wall 2 of 2	12/19/2002
SW 4A	Precast Concrete Retaining/Noise Wall 1 of 2	12/19/2002

Change Two

Revised February 27, 2003

GW 2	Concrete Curb and Gutter	02/27/2003
GW 5	Pedestrian Access	02/27/2003

IV. Materials Minimum Sampling and Testing

Follow the requirements of the Current Materials Minimum Sampling and Testing Manual:

Materials Minimum Sampling and Testing Manual reference can be found from the UDOT Web Site at:

<http://www.dot.utah.gov/esd/Manuals/Materials/MaterialsSampling.htm>

**For UDOT employees the Manual can also be found on the Shared Drive at:
\Shared\Engineering Services\Manuals\Materials (W drive for the Complex
and R drive for the Regions)**

V. Notice to Contractors



NOTICE TO CONTRACTORS

Sealed proposals will be received by the Utah Department of Transportation UDOT/DPS Building (4th Floor), 4501 South 2700 West, Salt Lake City, Utah. 84114-8220, until 2 o'clock p.m. Tuesday, June 03, 2003, and at that time the download process of bids from the USERTrust Vault to UDOT will begin, with the public opening of bids scheduled at 2:30 for MINOR BRIDGE REHAB of SR-191 OVER COLORADO RIVER NEAR MOAB in GRAND County, the same being identified as Federal Aid Project No: BHF-0191(13)129.

Federal Regulations:

In conformity with the Federal-Aid Highway Act of 1968, the U.S. Department of Labor has certified the minimum wage rates to be paid on this contract. These rates are made a part of the contract documents. This Department has been advised by the Wage and Hour Division, U.S. Department of Labor, that contractors engaged in highway construction work are required to meet the provisions of the Fair Labor Standards Act of 1938, (52 Stat. 1060). This contract is subject to all appropriate Federal Laws, including Title VI of the Civil Rights Act of 1964.

Project Location: 0.3 Miles of Route: 0191 from R.P. 128.6 to R.P. 128.9

The principal items of work are as follows (for all items of work see attachment):

- Scour Protection, A-Jacks Concrete Armor Installation
- Structural Concrete Repair (Est. Qty. 250 sq ft)
- Fiber Reinforced Polymer Wrap Installation (Est. Qty. 2700 sq ft)

The project is to be completed: in 45 Working Days.

Mandatory Pre-bid Conference: May 21, 2003, 01:00 pm, UDOT Moab Construction Division Office
424 Kane Creek Blvd, Moab, Utah

Conference attendance is a requirement for bid submission.

Other Requirements:

All project bidding information, including Specifications and Plans, can be viewed, downloaded, and printed from UDOT's Project Development Construction Bid Opening Information website, <http://www.dot.utah.gov/cns/bidopeninfo.htm>. To bid on UDOT projects, bidders must use UDOT's Electronic Bid System (EBS). The EBS software and EBS training schedules are also available on this website.

Project information can also be reviewed at the main office in Salt Lake City, its Region offices, and its District offices in Price, Richfield, and Cedar City.

Project Plans cannot be downloaded or printed from the website unless your company is registered with UDOT. Go to UDOT's website to register. Unregistered companies may obtain the Specifications and Plans from the main office, 4501 South 2700 West, Salt Lake City, (801) 965-4346, for a fee of \$75.00, plus tax and mail charge, if applicable, none of which will be refunded.

As required, a contractor's license must be obtained from the Utah Department of Commerce.

Each bidder must submit a bid bond from an approved surety company on forms provided by the Department; or in lieu thereof, cash, certified check, or cashier's check for not less than 5% of the total amount of the bid, made payable to the Utah Department of Transportation, showing evidence of good faith and a guarantee that if awarded the contract, the bidder will execute the contract and furnish the contract bonds as required.

The right to reject any or all bids is reserved.

If you need an accommodation under the Americans with Disabilities Act, contact the Construction Division at (801) 965-4346. Please allow three working days.

Additional information may be secured at the office of the Utah Department of Transportation, (801) 965-4346.

Dated this 26th day of April, 2003.

UTAH DEPARTMENT OF TRANSPORTATION

Revised Date:

VI. Use of Minority or Women Owned Banks

SPECIAL PROVISION

In the spirit of Federal Department of Transportation regulations the Utah Department of Transportation encourages all contractors and suppliers to thoroughly investigate the services offered by banks controlled and/or owned by minorities or women and to utilize their services as deemed feasible.

VII. BID CONDITIONS

DISADVANTAGED BUSINESS ENTERPRISE (DBE)

"Policy Statement"

It is the policy of the Utah Department of Transportation to take all necessary and reasonable actions to ensure that Disadvantaged Business Enterprises (DBE) as defined herein shall have equal opportunity to participate in the performance of contracts financed in whole or in part with US Department of Transportation (DOT) funds under this agreement as modified herein.

"Objectives"

The objectives of this policy are to:

1. Ensure nondiscrimination in the award and administration of DOT assisted contracts;
2. Create a level playing field on which DBEs can compete fairly for DOT assisted contracts;
3. Ensure that the DBE program is narrowly tailored in accordance with applicable law;
4. Ensure that only firms that fully meet *49 CFR 26* eligibility standards are permitted to participate as DBEs;
5. Remove barriers to the participation of DBEs in Federal aid contracts;
6. Assist the development of firms that can compete successfully in the marketplace outside the DBE program; and
7. Provide appropriate flexibility in establishing and providing opportunities for DBEs.

"Responsibilities"

Implementation of the DBE Program is accorded the same priority as compliance with all other legal obligations incurred by the DEPARTMENT in financial assistance agreements with DOT.

1. The Civil Rights Manager shall be the DBE liaison officer, who shall have direct, independent access to the Executive Director concerning DBE program matters. The Civil Rights manager shall be responsible for implementing all aspects of the DBE program. Adequate staff will be assigned to administer the DBE program.

2. The ENGINEER is responsible for supervision of the DBE participation covered by the Contract.

DBE BID AND PERFORMANCE CONDITIONS

"Obligations"

The contractor, subcontractor, service provider, or supplier at any lower tier shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the DEPARTMENT deems appropriate.

"Assurances"

Each contract between the DEPARTMENT and the Contractor and each subcontract at any lower tier must include the following assurance:

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the DEPARTMENT deems appropriate.

A. CONTRACT GOAL

1. The DEPARTMENT has determined that one or more Disadvantaged Business Enterprise (DBE) firms owned and controlled by the socially and economically disadvantaged individuals can reasonably be expected to compete for the work contained in the proposal for this project. It is, therefore, the goal of the DEPARTMENT that firms owned and controlled by the DBEs shall contract for the following percentage of work under this contract:
 - a. If the indicated DBE percent of the *CONTRACT DBE GOAL* is greater than 0.0%, complete Part A of the DBE BID ASSURANCE. Refer to Bidding Requirements, Section D, Subsection 1,a, of this Special Provision. (The commitment dollar amount up to the amount of the assigned goal is Race Conscious DBE participation. Any commitment dollar amount in excess of the assigned goal is Race Neutral Participation.)

- b. If the indicated DBE percent of the *CONTRACT DBE GOAL* is 0.0% complete Part B of the DBE BID ASSURANCE. Refer to Bidding Requirements, Section D, Subsection 1,b, of this Special Provision. (Any commitment to a DBE is Race Neutral Participation.)

CONTRACT DBE GOAL: 0% **Percent**

2. GOALS

a. GOAL FOR BID EVALUATION

The above entered DBE percentage is a goal for bid evaluation to determine responsiveness of the proposal as it relates to this specification. Percentages for bidding purposes shall be calculated using dollar values and quantities as shown in proposals received for this project. Bidders shall compute the percentage of their DBE commitment by dividing the dollar amount of subcontract work that is being committed to certified DBE firms by the total dollar amount of the proposal. This will be the percentage of their DBE commitment to be used by the Electronic Bidding System (EBS) software.

b. RACE CONSCIOUS GOAL

DBE participation on projects that are assigned a Goal for Bid Evaluation that is greater than 0.0% is *race conscious* and the DBE commitment becomes a contract specification upon award. The Bidder must submit with its Bid Proposal a *DBE Commitment*, prepared within the EBS software, that indicates:

- (1) Name of DBE firm
- (2) Work items to be performed
- (3) Total dollar amount of commitment

If the DBE commitment does not meet or exceed the assigned goal, the Bidder must submit with the Bid Proposal documentation of good faith efforts.

c. RACE NEUTRAL GOAL

DBE participation on projects that are assigned 0.0% Goal for Bid Evaluation is *race neutral* and does not become a contract specification upon award. The Bidder must take equal opportunity action to allow DBEs to compete for and perform on subcontracts. Only work classifications that the Bidder will subcontract need to be considered in evaluating equal opportunity action in the bid preparation. Contacts that have been made with DBE firms regarding potential work to be subcontracted and the

results of such contacts are to be submitted with the EBS prepared Bid Proposal in *Race Neutral DBE Documentation* which contains:

- (1) The work classifications that will be subcontracted.
- (2) DBE firms contacted.
- (3) Result of contact
- (4) Name of anticipated DBE subcontractor(s)
- (5) Anticipated work items to be performed by DBEs.
- (6) Anticipated dollar amount of subcontract(s).

NOTE: In the EBS (Electronic Bidding System):

Use the Quote Comparison to document item (1).

Use the DBE Contact Log to document items (2) and (3).

Use the DBE Commitment to document items (4), (5), and (6).

The *Race Neutral DBE Documentation* is required to document equal opportunity action and to assist UDOT with DBE reporting and DBE goal setting. Use the EBS functions in above NOTE as the Race Neutral DBE Documentation.

d. GOAL FOR CONTRACT PERFORMANCE

The Bidder's *DBE Commitment* becomes an attachment to the Bid Proposal and is a condition of award, and thereby becomes a contract specification. Upon award, this Race Conscious DBE Commitment also becomes the minimum goal for contract performance.

Commitments to DBEs that exceed the Goal for Bid Evaluation will be considered as both race conscious and race neutral. The dollar amount of the Goal for Bid Evaluation will be considered to be race conscious participation. Any dollar amounts in excess of the Goal for Bid Evaluation will be considered as race neutral participation.

It is the intent of this Special Provision that the DBE Firm(s) listed for *race conscious* participation, as a minimum level of participation, will perform to the extent indicated in the Bidder's DBE Commitment. The minimum level of DBE participation includes:

- (1) Indicated DBE firm(s),
- (2) Indicated work item(s) (bid items),
- (3) Indicated total dollar amounts.

Listed bid items shall be considered to be committed in their entirety unless Bidders designate otherwise in their DBE Commitment. If the DBE will perform only a part of the bid item, i.e., haul only, the Bidder must indicate

what part the DBE will perform (Partial Performance). If the DBE will perform only a part of the quantity of the bid item, the Bidder must indicate the estimated quantity of the work to be performed by the DBE (Partial Quantity).

Substitutions of DBE subcontractor(s), work item(s), or decreases of total dollar amount(s) as indicated in the Bidder's DBE Commitment will not be allowed without prior submission of written justification to the ENGINEER and approval of the ENGINEER and the Civil Rights Manager.

After award of a contract, substitutions will not be allowed without prior submission of a written "hold harmless" statement from the DBE.

Any change by the Contractor in the DBE Commitment requires that the change be approved by a Change Order.

Substitution of race neutral participation in excess of the Goal for Bid Evaluation requires equal opportunity efforts to substitute with other DBE participation.

DEPARTMENT generated decreases due to quantity changes in individual bid items do not require prior approval of the Civil Rights Manager—but must be fully justified by the ENGINEER at the conclusion of the project in the Explanation of Overruns and Underruns Statement. The ENGINEER's justification shall show the total estimated quantity, the final pay quantity as shown on the final estimate invoice, the quantity of the underrun, and the percent of underrun of the individual item. The explanation for the underrun shall include the reasons for the underrun and shall include as much detail as possible.

e. **GOAL FOR FINAL COMPLIANCE**

Percentages for final compliance shall be based on actual payments to DBEs. Overruns and under runs in individual contract items may require adjustments in the predetermined DBE percentage for a project if those items were not related to DBE performance. "The predetermined percentage for a project" refers to the percentage of the Contractor's DBE Commitment that becomes a contract specification upon award.

B. DEFINITIONS

For the purpose of this Special Provision, the following terms are defined:

1. Contract means a legally binding relationship obligating a seller to furnish supplies or services including but not limited to, construction and professional services) and the buyer to pay for them.
2. Contractor means one who participates, through a contract or subcontract (at any tier).
3. Disadvantaged Business Enterprise or DBE means a for profit small business concern.
 - a. That is at least 51 per cent owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which 51 per cent of the stock of which is owned by one or more such individuals; and
 - b. Whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.
 - c. Whose size is limited to average annual gross receipts of \$17,425,000 over the previous three fiscal years. This amount may be adjusted for inflation from time to time by the Secretary of Transportation.
OR
Whose size is limited to the current SBA Business size standard(s) found in 23 CFR part 121 appropriate to the type(s) of work the firm seeks to perform in DOT-assisted contracts.
 - d. That has been certified to DBE status by the DEPARTMENT.
4. DBE Goals mean:
 - a. UDOT's annual overall goal on DOT-assisted projects for Federal fiscal year 2003 is 8.0%.
 - b. 3.3% of the overall goal is a race neutral goal and reflects the level of DBE participation that would be expected absent the effects of discrimination. There is an implied DBE goal on projects with no goals (0.0%) that have subcontracting opportunities. The implied goal is the percent achievable by equal opportunity efforts.
 - c. 4.7% of the goal is a race conscious goal and reflects the level of DBE participation that will be achieved in response to assigned DBE goals.

5. DBE Joint Venture means an association of a DBE firm and one or more other firms to carry out a single, for profit business enterprise, for which the parties combine their property, capital, efforts, skills, and knowledge, and in which the DBE is responsible for a distinct, clearly defined portion of the work of the contract and whose share in the capital contribution, control, management, risks, and profits of the joint venture to a degree commensurate with its ownership interest.

A DBE joint venture must be approved by the DEPARTMENT's Civil Rights Office prior to bid opening in order to be utilized for the satisfaction of contract DBE goals. A DBE Joint Venture application must be submitted allowing ample lead time for the Civil Rights Office to review, evaluate, and verify information provided for in the application. An interview of the applicant may be necessary at the discretion of the DEPARTMENT prior to approval of the application. If an interview is deemed necessary it will be scheduled at the convenience of all parties.

6. Equal Opportunity Action. The principle of nondiscrimination requires that individuals be considered on the basis of individual capacities and not on the basis of any characteristics generally attributed to the group.

If a bidder requests or accepts bids for subcontract work, the bidder will request and accept bids from DBEs in the work classifications that potentially will be subcontracted.

7. Good Faith Efforts means efforts to achieve a DBE goal or other requirements of this part which by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the program requirements.
8. Prompt Payment means payment made no later than ten (10) work days after receipt of payment by the Contractor or Subcontractor, Service Provider or Supplier at any lower tier.
9. Race Conscious measure or program is one that is focused specifically on assisting only DBEs, including women-owned DBEs. UDOT must establish contract goals to meet any portion of its overall DBE goal that it does not project being able to meet using race neutral means. To ensure that the DBE program continues to be narrowly tailored to overcome the effects of discrimination, UDOT must adjust the use of contract goals as follows:
 - a. If during the course of any year it is determined that the overall goal will be exceeded, UDOT will reduce or eliminate the use contract goals to the extent necessary to ensure that the use of contract goals does not result in exceeding the overall goal.

- b. If it is determined that UDOT will fall short of its overall goal, then appropriate modifications in the use of race neutral and/or race conscious measures will be made to allow UDOT to meet the overall goal.
10. Race Neutral measure or program is one that is, or can be, used to assist all small businesses. UDOT must meet the maximum feasible portion if its overall DBE goal by using race -neutral means of facilitating DBE participation. Race neutral DBE participation includes:
- a. Any time a DBE wins a prime contract through customary competitive procurement procedures
 - b. Is awarded a subcontract on a prime contract that does not carry a DBE goal
 - c. Is awarded a subcontract from a prime contractor that did not consider its DBE status in making the award even if there is a DBE goal.

For the purposes of this part, race-neutral includes gender-neutrality.

11. Regular Employee is a person who:
- a. Would be working for the DBE firm on any other subcontract with any other contractor.
 - b. Is a permanent employee of the DBE firm
Or
Has been recruited through the traditional recruitment and/or employment centers
 - c. Has not recently been employed by the prime contractor on the present project, another subcontractor on the present project, or the renter-lessor of equipment being used on the present project.
 - d. Is not a member of a construction crew which regularly works for a non-DBE.
 - e. Is not a licensed contractor who is at the time “unemployed” or “between jobs.”

12. Regular Equipment is owned or leased and operated on a long term agreement and not on an *ad hoc* or contract by contract agreement.
 - a. The equipment would be used by the DBE firm on any other subcontract with any other contractor.
 - b. The equipment would be owned by the DBE firm.
Or
The equipment would be leased/rented from traditional equipment lease/rental sources.
 - c. The DBE firm would have a rental/lease agreement for any rented or leased equipment.
 - d. The equipment cannot belong to:
 - (1.) Prime Contractor
 - (2.) Another subcontractor on the present project.
 - (3.) Supplier of materials being installed by the DBE firm.
 - e. The equipment cannot come from another contractor fully operated.

13. Reasonable Bid

This is a bid the DEPARTMENT would accept if it were the only bid submitted. Generally, this is a bid within 10% of the Engineer's Estimate.

14. Responsible Bidder

A responsible bidder has the apparent ability and capacity to perform the contract requirements. In addition to normal prequalification, a responsible bidder is defined as one who has signed (manually or electronically) and submitted with the bid the DBE Bid Conditions Assurance of good faith effort included as Part I of this Special Provision certifying the intention to meet the DBE goal of a proposed contract or to continue good faith effort to do so. These goals may be met by subcontracting or leasing contracts with a DBE or purchasing material from a DBE insofar as the work or material becomes a part of a proposed contract.

15. Responsive Bidder

- a. A responsive bidder is a bidder who unequivocally offers to provide services or supplies in conformity with the material terms of the solicitation. In addition to normal prequalification and other bidding requirements, a responsive bidder in relationship to this Special Provision is defined as one who submits evidence of proposed subcontract performance with certified DBE firms to achieve the required dollar amount necessary to achieve the percentage goal.

- b. Bidders may be considered as presumptively responsive if they have failed to satisfy the advertised DBE goal set for the proposed contract but have certified in their bid that good faith efforts have been expended to meet the goal and that they will continue during the performance of the contract to locate, solicit, and involve DBE firms in contract performance. Documentation of the bidder's good faith efforts must be included with the bid package of the DEPARTMENT's review and assessment. Failure to do so shall render the bid non-responsive. The bid will be rejected by the DEPARTMENT.
- 16. Satisfactory Completion of a subcontract occurs when:
 - a. The work has been satisfactorily completed in all respects under the Contract.
 - b. The Contractor and the subcontractor have notified the ENGINEER in writing that the work of the subcontractor has been completed.
 - c. The Engineer will be given a reasonable length of time to check quantities if necessary. Checking quantities does not guarantee the absolute correctness of quantities.
 - d. The Contractor and the subcontractor have satisfactorily executed and delivered to the ENGINEER all documents, certificates and proofs of compliance required by the Contract. The satisfactory execution and delivery of these documents, certificates and proofs of compliance to the ENGINEER is a material requirement of the contract.
 - e. The work of the subcontract is accepted in writing by the ENGINEER.
 - f. Satisfactory Completion refers only to payment of retainage and accrued interest. A determination of Satisfactory Completion and payment in full for work performed does not relieve the contractor nor the subcontractor from any contractual obligation.
- 17. Satisfactory Performance means work performed and materials furnished in conformity with the plans and specifications.
- 18. Service Provider means a broker or a middle man. A businessperson who buys or sells for another in exchange for a commission.
- 19. Socially and Economically Disadvantaged Individuals means any individual who is a citizen (or lawful admitted permanent resident) of the United States and who is:

- a. Any individual who the DEPARTMENT finds to be a socially and economically disadvantaged individual on a case-by-case basis.
- b. Any individual in the following groups, members of which are rebuttably presumed to be socially and economically disadvantaged:
 - (1) "Black Americans," which includes persons having origins in any of the black racial groups of Africa;
 - (2) "Hispanic Americans," which includes persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South American or other Spanish or Portuguese culture or origin, regardless of race;
 - (3) "Native Americans," which includes persons who are American Indians, Eskimos, Aleuts, or Native Hawaiians;
 - (4) "Asian-Pacific Americans," which includes persons whose origins are from Japan, China, Taiwan, Korea, Burma (Myanmar), Vietnam, Laos, Cambodia (Kampuchea), Thailand, Malaysia, Indonesia, the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific Islands, (Republic of Palau), the Commonwealth of the Northern Mariana Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia, or Hong Kong;
 - (5) "Subcontinent Asian Americans," which includes persons whose origins are from India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka.
 - (6) Women.
 - (7) Any additional groups whose members are designated as socially and economically disadvantaged by the SBA, at such time as the SBA designation becomes effective.

20. Subcontractor

A subcontracting arrangement is generally considered to exist when a person or firm assumes an obligation to perform a part of the contract work and the following conditions are present.

- a. The person or firm performing the work is particularly experienced and equipped for such work.
- b. Compensation is related to the amount of work accomplished rather than being on an hourly basis.
- c. Choice of work methods, except as restricted by the specifications, and the furnishing and controlling of labor and equipment are exercised by the subcontractor with only general supervision being executed by the prime contractor.
- d. Personnel involved in the operation are under the direct supervision of the subcontractor and are included on the subcontractor's payroll.

All conditions involved shall be considered and no one condition alone will normally determine whether a subcontract actually exists. In all cases, a DBE subcontractor must be an independent organization, and the ownership and control by the socially and economically disadvantaged individual(s) must be real and continuing. The prime contractor, a subcontractor, or a supplier shall not be responsible for the various operating and management activities of a DBE firm.

21. Supplier

Provides or furnishes materials, goods or services that may be incorporated into the project. The supply transaction is to be documented by an appropriate purchase agreement which includes the required provisions for Federal-aid construction projects.

C. DETERMINATION OF DBE CONTRACTOR'S ELIGIBILITY BY THE DEPARTMENT

1. Any Contractor may apply to the DEPARTMENT for status as a DBE. Applications shall be made on forms provided by UDOT entitled "UTAH DEPARTMENT OF TRANSPORTATION APPLICATION FOR DETERMINING DISADVANTAGED BUSINESS ENTERPRISE (DBE) ELIGIBILITY, SCHEDULE A - UDOT FORM R-816" or "Information for Determining DBE Joint Venture Eligibility," Form No. R-817. Application need not be made in connection with a particular bid. Only work contracted to certified DBE prime contractors or subcontractor to firms that have applied for and have been granted status as a DBE by the DEPARTMENT shall be considered toward contract goals as established in Subsection A.
2. It shall be the Contractor's responsibility to submit a DBE application so that the DEPARTMENT has time to review it. The DEPARTMENT will review applications in a timely manner but is not committed to approve DBE status within any given period of time. The Civil Rights Office must have ample lead time to review, evaluate, and verify information provided with a application.
3. The DEPARTMENT shall maintain a directory of DBE Contractors, vendors, service providers and suppliers that is updated as changes occur for the purpose of providing a reference source to assist any bidder in meeting the requirements of this bid condition. Bidders must use the most current DBE information available on the web site when submitting bids. **A current DBE directory representing approved DBE Contractors is available through the UDOT Civil Rights Office, and also on the Internet at (click on this link):**

http://www.udot.utah.gov/cns/Civil_Rights/dbedir.pdf

An electronic file of the DBE Directory is available for downloading to use in the Electronic Bidding System (EBS) at the following URL (click on this link):

www.udot.utah.gov/cns/bidopeninfo.htm

4. In meeting the requirements of this bid condition, bidders are in no way limited to the DBE Directory referred to in 3 above in seeking out and negotiating with the DBE Contractors and determining which items of work shall be subcontracted to DBE Contractors. Bidders shall exercise their own judgments in selecting any subcontractor to perform any portion of the work.

DBE status must be granted to any DBE Contractor or DBE Joint Ventures by the DEPARTMENT prior to bid opening. DBE credit will not be allowed toward *race conscious* goals for a firm or joint venture that has not been DBE certified by the DEPARTMENT.

D. BIDDING REQUIREMENTS

All bidders must satisfy the bidding requirements of this part. A DBE prime contractor's performance does not count toward fulfilling the DBE goal. A prime bidder who is a DBE contractor shall meet the DBE goal by using DBE subcontractors or by using good faith efforts.

1. DBE Bid Assurance
 - a. Race Conscious Goal

For a bid with a DBE goal greater than 0.0% to be considered responsive, *Part A* of the DBE Bid Assurance must be completed and included in the BID PROPOSAL, certifying that they will meet or exceed the Goal for Bid Evaluation established in Subsection A, or that they fail to meet the goal but have and will put forth good faith effort to meet or exceed the goal of the DBE program. *Part A* of the DBE Bid Assurance will be completed by the EBS software based upon the entry of the DBE Commitment and/or the Good Faith Documentation into EBS. In either event, the Contractor shall continue efforts to consider and utilize DBE firms during the performance of the contract.
 - b. Race Neutral Goal

For a bid with a DBE goal of 0.0% to be considered responsive, *Part B* of the DBE Bid Assurance must be included in the BID PROPOSAL certifying that the Bidder has utilized equal opportunity action to allow DBE's to compete for and perform on subcontracts. *Part B* of the DBE Bid Assurance will be completed based upon the following information entered into EBS:

- (1) Bids with no subcontracting opportunities
Bidders who intend to do all the work with their own organization will indicate this in EBS on the Bid Submission Checklist and Forms window. EBS will subsequently indicate on Part B of the DBE Bid Assurance that the Bidder does not intend to sublet a portion of the contract work.

After the award of the bid, in the event that a Contractor indicates that he does not intend to sublet any work and subsequently determines to sublet a portion of the work, the Contractor:

- (a) must justify why subcontract quotes were not a part of the Bid Proposal,
- (b) must utilize equal opportunity action to allow DBEs to compete for and perform on the work to be sublet,
- (c.) must submit the required Race Neutral Documentation with the proposed subcontract.

NOTE: The Contractor may use the ‘DBE Contact Log’ and ‘Quote Comparison’ functions in EBS to develop the above requirements for documentation.

- (2) Bids with subcontracting opportunities
Race Neutral measure or program is one that is, or can be, used to assist all small businesses. UDOT must meet the maximum feasible portion if its overall DBE goal by using race -neutral means of facilitating DBE participation.

Bidders who solicit non-DBE subcontract quotes will utilize equal opportunity action to allow DBEs to compete for and perform on subcontracts. If the Bidder has selected ‘Intend to Sublet’ on the ‘Bid Submission Checklist and Forms’ window in the EBS software, Part B of the DBE Bid Assurance will indicate that the Bidder intends to sublet a portion of the contract work.

The results of the equal opportunity actions will be included with the EBS prepared Bid Proposal as a *Race Neutral Documentation*. Part B of the Bid Assurance Form will indicate the existence of any of the following types of Race Neutral Documentation that the Bidder has entered into EBS:

- (a) DBE Commitment
- (b) DBE Contact Log
- (c) Quote Comparison

In either event, the Contractor shall continue efforts to consider and utilize DBE firms during the performance of the contract.

2. DBE Commitment

For a bid to be considered responsive, Bidders shall submit the following information regarding DBE compliance with the EBS prepared Bid Proposal:

Submit a DBE Commitment of work that will be subcontracted to certified DBE firm(s) as listed in the DEPARTMENT's Disadvantaged Business Enterprise Directory or DBE firms that have been approved by the DEPARTMENT prior to bid opening.

- a. The names of DBE firms that will participate in the contract;
- b. A specific description of the work each named DBE firm will perform (list specific bid items). Listed bid items shall be considered to be committed in their entirety unless Bidders designate otherwise in their DBE Commitment.
 - (1) If mobilization is a bid item that is partially committed to a DBE, indicate the dollar amount of the DBE mobilization.
 - (2) If a partial quantity is committed to a DBE, indicate the quantity committed to the DBE.
 - (3) If a partial performance of an item is committed to a DBE, explain what part of the item the DBE will perform;
- c. The dollar amount of participation by each named DBE firm;
- d. If the contract goal is not met, evidence of good faith efforts.

The DBE Commitment is to be included in the bid prepared within, and said information will be kept confidential and will not be reviewed unless the Contractor is otherwise determined to be the low Bidder or the DEPARTMENT elects to review said information in making its determination as to award of the contract.

3. Race Neutral Commitment

For a bid to be considered responsive, Bidders shall submit the following information regarding equal opportunity compliance with their EBS prepared Bid Proposal:

Submit a Race Neutral DBE Commitment of work that will be subcontracted to certified DBE firm(s) as listed in the DEPARTMENT's Disadvantaged Business Enterprise Directory or DBE firms that have been approved by the DEPARTMENT prior to bid opening. The DBE Commitment will include:

- a. The bid item(s) or work classification(s) that will be subcontracted;

- b. The DBE firms that have been contacted. A reasonable number of DBEs available to perform the anticipated subcontract work must be contacted. The DBE firms must be given a reasonable amount of time to develop subcontract quotes.
- c. The results of the contacts with the DBE firms
- d. Name(s) of anticipated DBE subcontractor(s)
- e. Anticipated work items to be performed by DBE(s)
- f. Anticipated dollar amount of subcontract(s).

A specific description of the work each named DBE firm will perform (list specific bid items). Listed bid items shall be considered to be committed in their entirety unless Contractors designate otherwise in their DBE commitment.

- (1) If mobilization is a bid item that is partially committed to a DBE, indicate the dollar amount of the DBE mobilization.
- (2) If a partial quantity is committed to a DBE, indicate the quantity committed to the DBE.
- (3) If a partial performance of an item is committed to a DBE, explain what part of the item the DBE will perform;

NOTE: In the EBS (Electronic Bidding System):

Use the quote comparison to document item (a)

Use the contact log to document items (b) and (c).

Use the DBE commitment to document items (d), (e), and (f).

The *Race Neutral Documentation* submitted in the EBS prepared bid, will be kept confidential and not reviewed unless the Contractor is otherwise determined to be the low Bidder or the DEPARTMENT elects to review said information in making their determination as to award of the contract.

4. DBE Written Confirmation

Low Bidder shall submit to the Director of Construction & Materials within three (3) work days after the bid opening written confirmation from each DBE that it is participating in the contract as provided in the Prime Contractor's DBE Commitment or Race Neutral Documentation. The written confirmation shall include the following information:

- a. A description of the work that will be performed (list specific bid items). Listed bid items shall be considered to be committed in their entirety unless Contractors designate otherwise in their DBE commitment.

- (1) If mobilization is a bid item that is partially committed, please confirm the dollar amount of the mobilization to be performed.
- (2) If a partial quantity is committed, confirm the quantity to be performed.
- (3) If a partial performance of an item is committed, confirm what part of the item will be performed.
- (4) Unit bid prices for each bid item that is committed to a DBE.
- (5) Total dollar amounts (mathematical extensions) for each bid item that is committed to a DBE

b. The dollar amount of participation by each named DBE firm.

5. Good Faith Efforts

Bidders who fail to meet the DBE goal for bid evaluation must demonstrate with documentary evidence that they made good faith efforts to do so. Bidders are required to include the Good Faith Efforts Documentation with the EBS prepared Bid Proposal. The said information will be kept confidential and not reviewed unless the Bidder is otherwise determined to be the low Bidder or UDOT and authorized representatives elect to review said information in making their determination as to award of the contract. **For the bid to be considered responsive, Bidders shall include with the BID PROPOSAL specific documentary evidence that good faith efforts have been made to meet the goal.**

Attached hereto and marked Exhibit A, and by this reference made a part hereof, is a list of actions that may be used to prove the kinds of efforts prospective Bidders should consider in their attempts to demonstrate good faith efforts. The list of actions, as contained in Exhibit A, is not intended to be an exclusive list of efforts that a prospective Bidder may wish to consider in demonstrating good faith efforts to satisfy DBE participation requirements. The determination of good faith efforts shall be based upon the information and documentation of the actions supplied by the Bidder with the bid proposal. The DEPARTMENT reserves the right to investigate and verify such information or to request the low dollar Bidder to clarify information submitted at the time of bid.

6. Award of the Contract

The award of the contract, if awarded, will be made to the apparent successful responsive, responsible Bidder who submitted a reasonable bid for the contract and has complied with this Subsection D.

7. Administrative Reconsideration

Good faith efforts as used herein shall be determined on a case by case basis. If it is determined that the apparent low Bidder has failed to meet the requirements of Exhibit A, the bidder will be provided an opportunity for administrative reconsideration.

- a. The reconsideration will be made by an official who did not take part in the original determination.
- b. The Bidder will have the opportunity to provide to written documentation or argument concerning the issue of whether it met the goal or made adequate good faith efforts to do so.
- c. The Bidder will have the opportunity to meet in person with the reconsideration official to discuss the issue of whether it met the goal or made adequate good faith efforts to do so.
- d. The Bidder will be notified in writing of the decision and the basis for the decision.
- e. The reconsideration decision is administratively final and is not appealable to FHWA nor to the DOT.

E. COUNTING DBE PARTICIPATION TOWARD GOALS FOR BID EVALUATION

1. The DEPARTMENT will recognize and grant DBE credit toward the goal for bid evaluation (*race conscious* goals) for work committed to DBE subcontractors ONLY in the types of work for which DBE certification has been granted by the DEPARTMENT prior to bid opening. It is necessary that all bidders refer to the DEPARTMENT's Disadvantaged Business Directory for direction and guidance. **A current copy of the DBE directory is available through the Civil Rights Office and on the Internet at (click on this link):**

www.udot.utah.gov/cns/Civil_Rights/dbedir.pdf

An electronic file of the DBE Directory is available for downloading to use in the Electronic Bidding system (EBS) at the following URL (click on this link):

www.udot.utah.gov/cns/bidopeninfo.htm

2. The DEPARTMENT will grant DBE credit toward *race neutral* goals for work performed by firms who are not DBE certified prior to bid opening or who bid types of work for which DBE certification has not been granted by the DEPARTMENT prior to bid opening but subsequently are granted DBE certification.

3. Commitments to DBEs that exceed the Goal for Bid Evaluation will be considered as both race conscious and race neutral. The dollar amount of the Goal for Bid Evaluation will be considered to be race conscious participation. Any dollar amounts in excess of the Goal for Bid Evaluation will be considered as race neutral participation.

F. COUNTING DBE PARTICIPATION TOWARD GOALS FOR PERFORMANCE

Subcontracts to DBEs that exceed the *Goal For Bid Evaluation* will be considered in part as race conscious participation and in part as race neutral participation. Any dollar amounts in excess of the *Goal For Bid Evaluation* will be considered as race neutral participation.

It is intended that the Contractor shall utilize the subcontractors designated in the DBE Commitment in the performance of the contract. Any changes in the Contractor's DBE Commitment, such as substitution of a DBE subcontractor, substitution of contract items, or decrease in total dollar amount must be approved by the DEPARTMENT and must be covered by a Change Order. Unauthorized substitutions or eliminations may result in the imposition of sanctions. Failure to meet the Goal for Performance, that is established at the time of award by the Contractor's DBE Commitment, without adequate justification, including concurrence of the ENGINEER and Civil Rights Manager, shall result in the imposition of sanctions as provided in Part I of this Special Provision.

1. Only the value of the work actually performed by the DBE will count toward DBE goals.
2. Contractors may count toward their contract goals a portion of the total dollar value of a contract with a joint venture eligible under the standards of this bid condition equal to the percentage of the ownership and controls of the DBE partner in the joint venture.
3. The ENGINEER will recognize and grant DBE credit for work subcontracted and performed by DBE subcontractors ONLY in the types of work for which DBE certification has been granted by the ENGINEER prior to bid opening. It is necessary that all Bidders refer to DEPARTMENT's Disadvantaged Business Directory for direction and guidance. **A current copy of the DBE directory is available through the Civil Rights Office and on the Internet at (click on this link):**

http://www.udot.utah.gov/cns/Civil_Rights/dbedir.pdf

An electronic file of the DBE Directory is available for downloading to use in the Electronic Bidding system (EBS) at the following URL (click on this link):

www.udot.utah.gov/cns/bidopeninfo.htm

4. Contractors may count toward their goals only the value of the work actually performed by the DBE toward the DBE goals.
 - a. Work performed by the DBE's own forces using "regular employees and "regular equipment."
 - b. The cost of supplies and materials obtained and purchased by the DBE and equipment leased for the work of the contract.
 - c. Work that a DBE subcontracts to a lower tier DBE firm.
5. Contractors may not count toward the DBE goals:
 - a. Supplies and material purchased and equipment leased by the DBE from the prime Contractor or its affiliates or another subcontractor on the project.
 - b. Work that a DBE subcontracts to a lower tier non-DBE firm.
6. Contractors may count toward their goals only expenditures to a DBE that performs a commercially useful function in the work of the contract.
 - a. A DBE performs a "commercially useful function" when it is responsible for the execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself.
 - b. The DEPARTMENT shall evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and other relevant factors.
 - c. A DBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation. In determining whether a DBE is such an extra participant, the DEPARTMENT must examine similar transactions, particularly those in which DBEs do not participate.

- d. A DBE does not perform a commercially useful function if it does not perform or exercise responsibility for at least 30 percent of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved.
7. The DEPARTMENT shall use the following factors in determining whether a DBE trucking company is performing a commercially useful function:
- a. The DBE must be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract and there cannot be a contrived arrangement for the purpose of meeting DBE goals.
 - b. The DBE must itself own and operate at least one fully licensed, insured, and operational truck used on the contract.
 - c. The DBE receives credit toward the DBE goals for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs.
 - d. The DBE may lease trucks from another DBE firm, including an owner-operator who is certified a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
 - e. The DBE may lease trucks from a non-DBE, including an owner-operator. The DBE does not receive credit for the total value of the transportation provided by the lessee, because the services are not provided by a DBE. Only the fee or commission received by the DBE counts toward the DBE goals.
 - f. For purposes of this part (7), a lease must indicate that the DBE has exclusive use of and control over the truck. This does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. Leased trucks must display the name and identification number of the DBE.
8. Contractors may count expenditures with DBEs for materials or supplies as provided in the following:
- a. If the materials or supplies are obtained from a DBE manufacturer, 100 percent of the cost of the materials or supplies counts toward DBE goals.

For purposes of this paragraph, a manufacturer is a firm that operates or maintains a factory or establishment that produces, on the premises, the materials, supplies, articles, or equipment required under the contract and of the general character described by the specifications.

- b. If the materials or supplies are purchased from a DBE regular dealer, 60 percent of the cost of the materials or supplies counts toward DBE goals.

For purposes of this paragraph, a regular dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business.

- (1) To be a regular dealer, the firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question.
 - (2) A firm may be a regular dealer in such bulk items as petroleum products, steel, cement, gravel, stone, or asphalt without owning, operating or maintaining a place of business if the firm both owns and operates distribution equipment for the products. Any supplementing of regular dealers' own distribution equipment shall be by a long-term lease agreement and not on an *ad hoc* or contract-by-contract basis.
 - (3) Packagers, brokers, manufacturers representatives, or other persons or firms who arrange, or expedite, transactions are **not** regular dealers.
 - (4) A DBE trucking company that picks up a product from a manufacturer or regular dealer and delivers the product to the Contractor performs a delivery service. Credit will **not** be given based on a percentage of the cost of the product; credit will be allowed only for the cost of the transportation service.
9. If the materials or supplies are purchased from a service provider, the fees or commission charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies, count toward the DBE goals.

A Service Provider is a business which is neither a manufacturer nor a regular dealer but simply transfers title of a product from manufacturer to ultimate purchaser or a firm that puts a product into a container for delivery.

- a. Only the fees, commissions, or transportation performed by the DBE service provider count toward the DBE goals.

- b. No portion of the cost of the materials and supplies count toward the DBE goals.

Documentary evidence of the supply agreements, i.e., sales contract, purchase order, etc., shall be submitted to the Resident Engineer or Consultant Engineer at the Preconstruction Conference. The agreement shall set forth the estimated quantities, unit prices, total dollar amounts, material guarantees, delivery, and payment requirements including the requirements listed part E, 4, e, of this DBE Special Provision.

- 10. Prompt payment for the work accomplished is an integral part of the concept of commercially useful function.

See Section F, Subsection 6,a for a definition of "commercially useful function."
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G. CONTRACTOR'S RESPONSIBILITY

- 1 It is the Contractor's responsibility to determine the level of professional competence and financial responsibility of any proposed DBE subcontractor. The Contractor shall ascertain that the proposed DBE subcontractor is particularly experienced and equipped for the work of the subcontract.
- 2 It is the Contractor's responsibility to monitor and assure that DBE's listed to fulfill DBE goals perform a commercially useful function.

H. DBE SUBCONTRACTOR'S FAILURE TO PERFORM SUCCESSFULLY

If, during the performance of the contract, the Prime Contractor determines that a DBE subcontractor is unable to perform successfully, the Contractor shall make good faith efforts to replace the DBE subcontractor with another DBE to fulfill the Goal for Bid Evaluation. For Race Conscious DBE participation, the Contractor shall consider the uncompleted DBE committed work items as well as other work items as a part of the good faith efforts. All substitutions of DBE subcontractors shall receive prior approval by the DEPARTMENT.

The Contractor shall not substitute DBE subcontractor(s), work item(s), nor decrease dollar amount(s) as indicated in the Contractor's DBE Commitment without prior submission of written justification to the ENGINEER and without prior approval of the ENGINEER and the Civil Rights Manager.

The Contractor shall not substitute DBE subcontractor(s), work item(s), nor decrease dollar amount(s) as indicated in the Contractor's DBE Commitment Substitutions without prior submission of a written statement from the DBE consenting to the substitution or decrease and holding the ENGINEER harmless for approving the substitution.

Unauthorized substitutions of the DBE(s), underruns of work item(s), or decreases in dollar amount(s) may result in the imposition of sanctions as allowed under Section I.

UDOT reserves the right to authorize completion of the work that was subcontracted to a DBE who is unable to perform successfully by either of the following methods:

1. Approve, at no additional cost to the DEPARTMENT, a replacement DBE subcontractor and, when appropriate, modify the contract to provide for reasonable extra time necessary to obtain a DBE replacement at no additional cost to the DEPARTMENT.
2. Direct the Contractor to perform at unit bid prices. In the event this option is selected, the percentage DBE goal will be adjusted as may be appropriate.

I. SANCTIONS

1. The Contractor's DBE Commitment becomes a 3 part commitment comprised of the DBE Contractor(s), work item(s) and dollar amount(s). The Commitment becomes a contract specification upon award of the contract and becomes the minimum goal for contract performance.

If the Contractor fails to achieve the minimum goal, established in the contract at the time of the award of the contract or later modified, the contract payments shall be reduced as a liquidated damage and not as a penalty by an amount equal to the dollar amount of work not performed by the DBE. The dollar amount of any sanction will be computed using the unit prices indicated in the DBE subcontract

Exceptions:

- a. Any authorized adjustment in the DBE Commitment that has been approved by the ENGINEER and Civil Rights Manager.
- b. Race neutral participation.

2. The ENGINEER shall deduct maximum points for *Compliance with EEO* when completing the *Contract Performance Report*.

J. RECORD KEEPING

1. DBEs shall maintain records of payment received under this bid condition. DBEs shall submit to the ENGINEER within 10 work days after receipt copies of progress payments received from the prime Contractor or subcontractor if the DBE is a lower tier subcontractor:
 - a. For each committed bid item:
 - (1) The quantity committed toward the DBE goal
 - (2) The quantity performed by the DBE to the date of the payment
 - b. Total dollar amount earned to the date of the payment
 - c. The total amount paid to the date of the payment.
2. The Contractor shall maintain records of payment under this bid condition. At the completion of the project, the Contractor will submit to the ENGINEER a certificate in the form of an affidavit for each DBE firm participating on the Project. The Affidavit will be in the form of a spread sheet and will include for each committed DBE subcontractor:
 - a. For each committed bid item:
 - (1) The quantity committed toward the DBE goal
 - (2) The total quantity performed on the project
 - (3) The quantity performed by the DBE
 - (4) The dollar amount paid to the DBE
 - b. Total dollar amount committed toward the DBE goal
 - c. Total dollar amount earned
 - d. Interest earned from escrow and from late payment`
 - e. The total amount paid
 - f. The dollar amount of money retained.

If it appears that the DBE goals will not be met, the Contractor's retained amount may not be reduced to one and one half percent. The DEPARTMENT shall retain necessary funds until the Contractor complies with this contract specification.

DBE firms listed in the original DBE Commitment or later modified with the DEPARTMENT approval shall be paid in full prior to the DEPARTMENT processing the final payment. The Contractor shall submit with the signed, final estimate invoice, a certificate in the form of an affidavit listing all DBEs that engaged in this contract and report the total dollar amount paid to each. The affidavit(s) must be submitted to the DEPARTMENT on the Contractor's letterhead and must be dated and signed by a responsible official legally representing the Contractor.

3. The DEPARTMENT must create and maintain a Bidders list consisting of all firms bidding on prime contracts and bidding or quoting subcontractors on DOT-assisted projects. For every firm, the following information must be submitted annually:
 - a. Firm name
 - b. Firm address
 - c. Firm's status as a DBE or non-DBE
 - d. Age of firm
 - e. Annual gross receipts of the firm.

Every firm bidding or quoting as a prime or subcontractor at any level on DOT-assisted projects must register annually with UDOT.

NOTE: Items (a) and (b) should be completed in the EBS software by using the 'Quote Comparison' and submitted with your bid.

4. With the bid or no later than 10 work days after bid opening date, each and every prime bidder must submit to The DEPARTMENT a list of all firms bidding and/or quoting as subcontractors, service providers or suppliers.* The Prime Bidder must also submit for each and every firm sub-quoting the following information:
 - a, Firm Name
 - b. Firm address
 - c. Work classification(s) bid by subcontractor, service provider or supplier:
 - (1) Building
 - (2) Concrete - Miscellaneous and flatwork, etc.
 - (3) Concrete - Structural
 - (4) Demolition
 - (5) Electrical
 - (6) Engineering - Consultants
 - (7) Engineering - Design

- (8) Equipment - Purchases
- (9) Equipment - Rentals
- (10) Excavation
- (11) Fence
- (12) Grading
- (13) Guardrail
- (14) Hauling - Earth or Other Materials
- (15) Landscaping
- (16) Lighting
- (17) Miscellaneous
- (18) Painting - Striping & Messages
- (19) Painting - Structural
- (20) Paving - Asphalt, Highway
- (21) Paving - Concrete
- (22) Paving - Miscellaneous
- (23) Paving - Rotomilling
- (24) Pipe Culverts
- (25) Reconstruction
- (26) Saw & Seal
- (27) Signs - Permanent
- (28) Signs - Temporary or traffic control
- (29) Steel - Reinforcing
- (30) Steel - Structural
- (31) Supplier - Manufacture
- (32) Supplier - Regular Dealer
- (33) Supplier - Service Providers
- (34) Surveying
- (35) Traffic Signals

***NOTE: This requirement can be met with the 'Quote Comparison' function in EBS. The report must be printed and faxed to the Civil Rights Department at (801) 965-4101.**

K. PROMPT PAYMENT

THIS SECTION APPLIES TO ALL PRIME CONTRACTORS, ALL SUBCONTRACTORS, AND ANY LOWER TIER SUBCONTRACTORS, AND ALL SUPPLIERS. Refer to CFR 49 Part 26.29

PART 1 GENERAL**1.1 SECTION INCLUDES**

This Section applies to prime Contractors, all subcontractors, all service providers and all material suppliers, and any lower tier subcontractors, service providers, and suppliers.

1.2 PROMPT PAYMENT TO SUBCONTRACTORS, MATERIAL SUPPLIERS AND SERVICE PROVIDERS - PROGRESS PAYMENTS

- A. Include in subcontract, service or purchase agreement language agreeing to pay as promptly as or sooner than required by this specification.
- B. Pay subcontractor, service provider, or material supplier for satisfactory performance of the subcontract, service or material supply agreement no later than 10 work days after receipt of payment.
- C. Submit to the Engineer within 5 work days after paying subcontractor(s), service providers, or material supplier(s), a certified payment statement in the form of an affidavit certifying that the total dollar amount paid to each subcontractor, service provider or supplier that the payment has been made promptly, and that the dollar amount paid is the total amount due for work or services performed or materials purchased during the pay period. Contractor is required to submit the affidavit on Contractor's letterhead and include the signature of a responsible official legally representing the Contractor.

1.3 PAYMENT TO SUBCONTRACTORS, SUPPLIERS AND SERVICE PROVIDERS – RETAINED MONEY AND ACCRUED INTEREST

- A. Include in subcontract, service or purchase agreement language agreeing to pay retained money and accrued interest upon satisfactory completion of the work of subcontract, service or purchase agreement.
- B. Pay retained money and accrued interest to subcontractor, service or material provider no later than 25 work days after satisfactory completion of the work of subcontract. service or purchase agreement.
- C. Payment of retained money and accrued interest must be paid even if the Contractor has not received payment from the Department.

- D. Submit to the Engineer within 5 work days after paying subcontractor, supplier, or service provider a certified payment statement in the form of an affidavit certifying that the total amount paid is the total amount of retained money and interest due to the subcontractor, service provider or supplier. Provide a signed affidavit by a responsible official legally representing the Contractor, on Contractor's letterhead.
- E. A determination of satisfactory completion and payment of retained money and accrued interest does not relieve the Contractor, subcontractor, service provider nor supplier from any contractual obligation.

1.4 DELAY OF PAYMENT

- A. Delay payment to subcontractor, service provider, or supplier, only for good cause, with prior written notice to subcontractor, service provider or supplier and with prior written approval of the Engineer.
- B. Give subcontractor, service provider or supplier time to correct deficiencies before estimated cut-off date.
- C. Not giving notice to subcontractor, service provider, or supplier nor receiving written approval from Engineer will be considered as implied consent to pay promptly.
- D. Engineer withholds from progress payment, delayed payments.
- E. Include in subcontract, service and supply agreements, language providing for the use of appropriate alternative dispute resolution mechanisms to resolve payment disputes.
- F. Department holds in escrow disputed funds until the dispute is resolved.

1.5 PENALTIES FOR FAILURE TO MAKE PROMPT PAYMENT

- A. Department will not reimburse for work performed by subcontractors, service providers nor materials delivered by suppliers unless and until the Contractor ensures that subcontractors, service providers and suppliers are promptly paid for work performed or materials delivered.
 - 1. Engineer deducts the dollar amount due but not paid to subcontractor, service provider or supplier from the next progress payment.
 - 2. Engineer may deduct an equal amount from the Contractor's payment.
- B. Department considers the failure to pay promptly an indication of a lack of financial fitness.
 - 1. Forfeit the privilege of bidding on the Department's projects as a prime Contractor until subcontractors, service providers or suppliers are paid.

2. Forfeit the privilege of having a subcontract, supply or purchase agreement approved to perform as a subcontractor, service provider or supplier on the Department's projects until subcontractors, service providers or suppliers are paid.
- C. Department employs other mechanisms, consistent with this part and applicable state and local law, to ensure that DBEs, other Contractors, service providers and suppliers are fully and promptly paid.

1.6 OVERPAYMENT BY ENGINEER

- A. If the Engineer overpays for work or services performed or materials delivered, the Department deducts the dollar amount of the overpayment from future payments to the Contractor.
- B. The subcontractor, service provider or supplier is responsible to keep records and to know the quantity of work or services performed or materials delivered. If overpayment is made to a subcontractor, service provider or material supplier, the subcontractor, service provider or material supplier immediately notifies the Contractor and the Department of the overpayment.
- C. If prompt payment results in overpayment, the subcontractor, service provider or supplier promptly repays the Contractor the amount of the overpayment. If prompt repayment is not made to the Contractor, the prompt payment penalties of this specification applies to subcontractor or supplier.

Exhibit A

Suggested Actions and Required Documentation to Demonstrate Good Faith Efforts to Comply With DBE Requirements

A Bidder must show that it took necessary and reasonable steps to achieve a DBE goal which, by their scope, intensity, and appropriateness, can reasonably be expected to fulfill the program requirement. The efforts employed should be those that would be taken if a Bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract. Goal. Mere *pro forma* efforts are not good faith efforts to meet the DBE contract requirements.

Documentary evidence of each action taken must be submitted with the Bid Proposal.

The following is taken, with some modification, from CFR 49 Part 26, Appendix A. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive.

GUIDANCE CONCERNING GOOD FAITH EFFORTS

- I. When the DEPARTMENT establishes a contract goal on a Federal aid contract, a Bidder must, in order to be responsive, make good faith efforts to meet the goal. The Bidder can meet this requirement in either of two ways:
 - A. The Bidder can meet the goal, documenting commitments for participation by DBE firms sufficient for this purpose.
 - B. If it doesn't meet the goal, the Bidder can document adequate good faith efforts. This means that the Bidder must show that it took all necessary and reasonable steps to achieve a DBE goal or other requirement of this part which, by their scope, intensity, and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not fully successful.
- II. In any situation in which the DEPARTMENT has established a contract goal, CFR 49, Part 26 requires UDOT to use the good faith efforts mechanism of this part. It is up to the DEPARTMENT to make a fair and reasonable judgment whether a Bidder that did not meet the goal made adequate good faith efforts. It is important for the DEPARTMENT to consider the quality, quantity, and intensity of the different kinds of efforts that the Bidder has made. The efforts employed by the Bidder should be those that one could reasonably expect a Bidder to take if the Bidder were actively and aggressively trying to obtain DBE participation sufficient to meet the DBE contract goal. Mere pro forma efforts are not good faith efforts to meet the DBE contract requirements. The DEPARTMENT emphasizes, however, that its determination concerning the sufficiency of the firm's good faith efforts is a judgment call: meeting quantitative formulas is not required.
- III. The U. S. Department of Transportation also strongly cautions the DEPARTMENT against requiring that a Bidder meet a contract goal (i.e., obtain a specified amount of DBE participation) in order to be awarded a contract, even though the Bidder makes an adequate good faith efforts showing. This rule specifically prohibits UDOT from ignoring bona fide good faith efforts.
- IV. The following is a list of types of actions which UDOT should consider as part of the Bidder's good faith efforts to obtain DBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of efforts may be relevant in appropriate cases.
 - A. Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBEs who have the capability to perform the work of the contract. The Bidder must solicit this interest within sufficient time to allow the DBEs to respond to the solicitation. The Bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

- B. Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.
- C. Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- D. Negotiating in good faith with interested DBEs.
 - (1) It is the Bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.
 - (2) A Bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration.
 - (a) The fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable.
 - (b) No specific price differential has been established by 49 CFR 26. This approach allows flexibility.
 - (c) Along with the reasonableness of the cost necessarily comes the fact that prime Contractors are not expected to bear unreasonable costs.
 - (d) Any burden that a non-DBE subcontractor might face is also limited by the reasonableness of competing bids.
 - (3) The ability or desire of a prime Contractor to perform the work of a contract with its own organization does not relieve the Bidder of the responsibility to make good faith efforts. Prime Contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.
 - (4) The ability or desire of a prime Contractor to bundle the work of a subcontractor who wishes to perform all the work of the subcontract with its own organization does not relieve the Bidder of the responsibility to require a subcontractor to make good faith efforts. Subcontractors are not

required to accept higher quotes from lower tier DBEs if the price difference is excessive or unreasonable.

- E. Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The Contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the Contractor's efforts to meet the project goal.
- F. Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
- G. Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.
- H. Effectively using the services of available minority/women community organizations; minority/women Contractors' groups; local, state, and Federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs.

NOTE: The DBE 'Contact Log' in EBS, submitted as part of the Bid Proposal, can be used to document the following efforts:

- IV. A.
- IV. C.
- IV. D. (1)

The 'Quote Comparison' in EBS, submitted as part of the Bid Proposal, can be used to document the following efforts:

- IV. B.
- IV. D. (3)

- V. In determining whether a Bidder has made good faith efforts, the DEPARTMENT may take into account the performance of other Bidders in meeting the contract. For example, when the apparent successful Bidder fails to meet the contract goal, but others meet it, UDOT may reasonably raise the question of whether, with additional reasonable efforts, the apparent successful bidder could have met the goal. If the apparent successful Bidder fails to meet the goal, but meets or exceeds the average DBE participation obtained by other Bidders, you may view this, in conjunction with other factors, as evidence of the apparent successful Bidder having made good faith efforts.

Submit with the Bid Proposal documentary evidence to prove that good faith efforts were accomplished:

- 1. Submit copies of all solicitations: correspondence, faxes, advertisements, telephone logs with dates, times, names of persons contacted, nature of conversation, DBEs' responses, and etc.**
- 2. If DBEs submitted quotes that were not used because the range of additional costs was determined to be excessive or unreasonable, submit the range that has been determined by the Bidder to be a reasonable range of additional costs and explain how that range was determined.**
- 3. As a part of demonstrating a reasonable range of additional costs, submit copies of all subcontractor quotes, copies of spread sheet(s) which compare all DBE quotes with non-DBE quotes and which include bid item(s) quoted, work classifications, quantities, prices, and dollar amounts.**
- 4. Submit a narrative of specific names and types of information, assistance, considerations given, and efforts to assist DBEs under Item IV, subparts C through F.**

**DBE BID ASSURANCE
COMPLETE ONLY PART A. OR PART B.**

**PART A. RACE CONSCIOUS DBE PARTICIPATION
SPECIFIC ASSIGNED *CONTRACT DBE GOAL* FOR BID
EVALUATION _____ PERCENT**

If the DBE goal which is indicated in Section A., CONTRACT GOAL, of APPENDIX A, BID CONDITIONS, DISADVANTAGED BUSINESS ENTERPRISE (DBE) is **greater than 0.0 %**, **complete only Part A, and submit *DBE Commitment*, and if applicable, *Documentation of Good Faith Efforts*.**

By signing the BID REPORT (either manually or electronically), it is understood that those individuals who sign as owners or authorized representatives of the Bidder, have read and are familiar with APPENDIX A, SPECIAL PROVISION, BID CONDITIONS, DISADVANTAGED BUSINESS ENTERPRISE and hereby certify that good faith efforts have been utilized to meet or exceed the goal of the DBE Program as established by the DBE Special Provision.

Indicate intended DBE commitment.

_____ We intend to meet or exceed the contract goals as per the DBE Commitment which is submitted with the Bid Proposal.

RACE CONSCIOUS AND RACE NEUTRAL COMMITMENT _____ PERCENT

_____ We fail to meet the advertised goal. This firm commits to DBE participation as per the DBE Commitment which is submitted with the EBS Bid Proposal and to continue Good Faith Efforts throughout the performance of the project. Documentation of Good Faith Efforts is submitted with the Bid Proposal, including:

1. DBE Contact Log Report
2. Quote Comparison Report

**PART B. RACE NEUTRAL DBE PARTICIPATION
ASSIGNED *CONTRACT DBE GOAL* FOR BID EVALUATION _____ PERCENT**

If the DBE goal, which is indicated in Section A., CONTRACT GOAL, of APPENDIX A, BID CONDITIONS, DISADVANTAGED BUSINESS ENTERPRISE (DBE) is **0.0% , complete only Part B and submit *Race Neutral DBE Information*.**

By signing the BID REPORT (either manually or electronically), it is understood that those individuals who sign as owners or authorized representatives of the Bidder, have read and are familiar with APPENDIX A, SPECIAL PROVISION, BID CONDITIONS, DISADVANTAGED BUSINESS ENTERPRISE and hereby certify that equal opportunity action has been utilized to allow DBEs to compete for and perform on subcontracts.

_____ We do not intend to sublet a portion of the contract work.

_____ We intend to sublet a portion of the contract work. Our firm has taken equal opportunity action to allow DBEs to compete for and perform on subcontracts. Documentation of Race Neutral efforts is submitted with the Bid Proposal, including:

_____ 1. RACE NEUTRAL DBE COMMITMENT _____ PERCENT

_____ 2. DBE Contact Log Report

_____ 3. Quote Comparison Report

VIII. ATTENTION CONTRACTORS
E.E.O. Affirmative Action Requirements on
Federal and Federal-Aid Construction Contracts

Changes in Hometown Plan and Special Bid Conditions

All imposed Plans and the Philadelphia Plan approvals have been rescinded.

The use of Special Bid Conditions will discontinue.

New Requirements

Effective immediately all requests for bids/solicitations on all contracts and subcontracts of \$10,000 or more, will include the Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity, (Executive Order 11246), (Appendix A) and the Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246), (Appendix B). The provisions of FHPM 6-4-1-2 will continue to be used.

We recognize that there will be some duplicate material in the contracts as a result of incorporating the new OFCCP requirements. But we cannot discontinue use of Special Provision (Attachment 1 of FHPM 6-4-1-2) as it is regulatory material that requires an amendment by the Secretary of Transportation and publishing in the Federal Register. We have been informed by our Washington Office that FHPM 6-4-1-2 will be amended to eliminate any duplication in the contract provisions.

Appendix A, Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity, must include the goals for minority and female participation in each craft on all contracts and subcontracts.

As indicated in the final rulemaking published in the October 3, 1980, Federal Register by the Office of Federal Contract Compliance Programs, standards and goals for minority utilization, throughout the country, have now been implemented. Goals for minority representation in each trade are shown in Attachment A for the Contractor's use and guidance. (As previously indicated, the goals for female utilization will apply to all contracts and subcontracts irrespective of their geographical location.)

Paragraph 3, of Appendix A points out that the Contractor will provide written notification to OFCCP of award of any subcontract in excess of \$10,000. The Contractors must be advised that their notification will continue, as our regular reporting procedures, by making such notification to the Utah Department of Transportation that will then report it to the FHWA, that will then report to OFCCP.

APPENDIX A

Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246).

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for minority participation for each trade	Goals for female participation in each trade
April 1, 1980 until March 31, 1981		<u>6.9%</u>
October 3, 1980	<u>10.2%</u>	

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or Federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. See Attachment A. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and non-federal involved construction.

The Contractor's compliance with the Executive Order and the regulations is 41 CFR part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and their efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of their projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the Contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

Federal-Blue Book

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is, State of Utah, County of Grand.

APPENDIX B

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

1. As used in these specifications:
 - a. "Covered area" means the geographical area described in the solicitation from which this contract resulted;
 - b. "Director" means Director, Office of Federal Contract Compliance Programs, United State Department of Labor, or any person to whom the Director delegates authority;
 - c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
 - d. "Minority" includes:
 - (i) Black (all persons having origins in any of the black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any at any tier, subcontracts a portion of the work involving any construction trade, they shall physically include in each subcontract in excess of \$10,000 the provision of these specifications and the Notice that contains the applicable goals for minority and female participation and that is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, their affirmative action obligations on all work in the plan area (including goals and timetables) shall be in accordance with that Plan for those trades that have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor participating in an approved Plan is individually required to comply with its obligations under the E.E.O. clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's failure to take good faith efforts to achieve the Plan goals and timetables.

Federal-Blue Book

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonable be able to achieve in each construction trade in which they have employees in the covered area. Covered Construction Contractors performing construction work in geographical areas where they do not have a federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the federal register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting their goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities, Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon their effort to achieve maximum results from their actions, The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work, The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or their union have employment opportunities available, and maintain a record of the organization's responses.

Federal-Blue Book

- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the Contractor may have take.
- d. Provide immediate written notification to the Director when the union with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area that expressly includes minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's E.E.O. policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting their E.E.O. obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc. by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company E.E.O. policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's E.E.O. policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination, or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's E.E.O. policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of

Federal-Blue Book

applications for apprenticeship or other training by ANY recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's workforce.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc. such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the E.E.O. policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction Contractors and suppliers, including circulation of solicitations to minority and female Contractor associations and other business associations.

p. Conduct a review, at least annually of all supervisors' adherence to and performance under the Contractor's E.E.O. policies and affirmative action obligation.

8. Contractors are encouraged to participate in voluntary associations that assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a Contractor association, joint Contractor-union, Contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group, has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goal and timetables, and can provide access to documentation that demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

Federal-Blue Book

9. A single goal for minorities and a separate single goal for women has been established. The Contractor, however is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved their goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative actions standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor in fulfilling their obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from their efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company E.E.O. policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government, and to keep records. Records shall at least include for each employee, the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer,) dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form, however, to the degree that existing records satisfy this requirement, Contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws that establish different standards of compliance or upon application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

GOALS FOR MINORITY PARTICIPATION FOR EACH TRADE

<u>County</u>	<u>Percentage</u>
Beaver.....	12.6
Box Elder	5.1
Cache.....	5.1
Carbon	5.1
Daggett	5.1
Davis.....	6.0
Duchesne	5.1
Emery	5.1
Garfield	12.6
Grand	10.2
Iron.....	12.6
Juab	5.1
Kane	12.6
Millard	5.1
Morgan.....	5.1
Piute.....	5.1
Rich.....	5.1
Salt Lake	6.0
San Juan.....	10.2
Sanpete	5.1
Sevier.....	5.1
Summit.....	5.1
Tooele	6.0
Uintah.....	5.1
Utah	2.4
Wasatch.....	5.1
Washington.....	12.6
Wayne.....	5.1
Weber	6.0

IX. Specific Equal Employment Opportunity Responsibilities

1. General

- a. Equal employment opportunity requirements not to discriminate and to take affirmative action to assure equal employment opportunity as required by Executive Order 11246 and Executive Order 11375 are set forth in Required Contract Provisions (Form PR-1273 or 1316, as appropriate) and these Special Provisions that are imposed pursuant to Section 140 of Title 23, U.S.C. as established by Section 22 of the Federal Highway Act of 1968. The requirements set forth in these Special provisions shall constitute the specific affirmative action requirements for project activities under this contract and supplement the equal employment opportunity requirements set forth in the Required Contract Provisions.
- b. Contractors will work with the State highway agencies and the Federal Government in carrying out equal employment opportunity obligations and in their review of contractor activities under the contract.
- c. Contractors and all their Subcontractors holding subcontracts not including material suppliers, of \$10,000 or more, will comply with the following minimum specific requirement activities of equal employment opportunity: (The equal employment opportunity requirements of Executive Order 11246, as set forth in Volume 6, Chapter 4, Section 1, Subsection 1 of the Federal-Aid Highway program Manual, are applicable to material suppliers as well as Contractors and Subcontractors.) The Contractor will include these requirements in every subcontract of \$10,000 or more with such modification of language as is necessary to make them binding on the Subcontractor.

2. Equal Employment Opportunity Policy

Contractors will accept as operating policy the following statement that is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion, sex, or national origin, and to promote the full realization of equal employment opportunity through a positive continuing program:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, apprenticeship, and/or on-the-job training."

3. Equal Employment Opportunity Officer

Contractors will designate and make known to the State highway agency contracting officers an equal employment opportunity officer (hereinafter referred to as the E.E.O. Officer) who will have the responsibility for and must be capable of effectively administering and promoting an active Contractor program of equal employment opportunity and who must be assigned adequate authority and responsibility to do so.

4. Dissemination of Policy

- a. All members of the Contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the Contractor's equal employment opportunity policy and contractual responsibilities to provide equal employment opportunity in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:
 - (1) Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the Contractor's equal employment opportunity policy and its implementation will be reviewed and explained. The meetings will be conducted by the E.E.O. Officer or other knowledgeable company official.
 - (2) All new supervisory or personnel office employees will be given a thorough indoctrination by the E.E.O. Officer or other knowledgeable company official covering all major aspects of the Contractor's equal employment opportunity obligations within thirty days following their reporting for duty with the Contractor.
 - (3) All personnel who are engaged in direct recruitment for the project will be instructed by the E.E.O. Officer or appropriate company official in the Contractor's procedures for locating and hiring minority group employees.
- b. In order to make the Contractor's equal employment opportunity policy known to all employees, prospective employees, and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc., the Contractor will take the following actions:
 - (1) Notices and posters setting forth the Contractor's equal employment opportunity policy will be placed in areas readily accessible to employees, applicants for employment, and potential employees.

- (2) The Contractor's equal employment opportunity policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

5. Recruitment

- a. When advertising for employees, the Contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be published in newspapers or other publications having a large circulation among minority groups in the area from which the project work force would normally be derived.
- b. The Contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants, including, but not limited to, State employment agencies, schools, colleges, and minority group organizations. To meet this requirement, the Contractor will, through his E.E.O. Officer, identify sources of potential minority group employees, and establish with such identified sources of procedures whereby minority group applicants may be referred to the Contractor for employment consideration.

In the event the Contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, they are expected to observe the provisions of that agreement to the extent that the system permits the Contractor's compliance with equal employment opportunity contract provisions, (The U.S. Department of Labor has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the Contractor to do the same, such implementation violates Executive Order 11246, as amended.)

- c. Contractors will encourage their present employees to refer minority group applicants for employment by posting appropriate notices or bulletins in areas accessible to all such employees. In addition, information and procedures with regard to referring minority group applicants will be discussed with employees.

6. Personnel Actions

Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, or national origin. The following procedures shall be followed:

- a. Contractors will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

- b. Contractors will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- c. Contractors will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the Contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- d. Contractors will promptly investigate all complaints of alleged discrimination made to them in connection with their obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the Contractor will inform every complainant of all avenues of appeal.

7. Training and Promotion

- a. Contractors will assist in locating, qualifying, and increasing the skill of minority group and women employees, and applicants for employment.
- b. Consistent with the Contractor's work force requirements and as permissible under Federal and State regulations, the Contractor shall make full use of training programs i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event the training Special provision is provided under this contract, this subparagraph will be superseded as indicated in Attachment 2.
- c. Contractors will advise employees and applicants for employment of available training programs and entrance requirements for each.
- d. Contractors will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

8. Unions

If Contractors rely in whole or in part upon unions as a source of employees, Contractors will use their best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by Contractors either directly or through a Contractor's association acting as agent will include the procedures set forth below:

- a. Contractors will use their best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.
- b. Contractors will use their best efforts to incorporate an equal employment opportunity clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, or national origin.
- c. Contractors are to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the Contractor, the Contractor shall so certify to the State Highway Department and shall set forth what efforts have been made to obtain such information.
- d. In the event the union is unable to provide the Contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the Contractor will through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, or national origin, making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The U.S. Department of Labor has held that it shall be no excuse that the union with which the Contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the Contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such Contractor shall immediately notify the State highway agency.

9. Subcontracting

- a. Contractors will use their best efforts to solicit bids from and to utilize minority group Subcontractors or Subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of minority-owned construction firms from State highway agency personnel.
- b. Contractors will use their best efforts to ensure Subcontractor compliance with their equal employment opportunity obligations.

10. Records and Reports

- a. Contractors will keep such records as are necessary to determine compliance with the Contractor's equal employment opportunity obligations. The records kept by the Contractor will be designed to indicate:
 - (1) the number of minority and non-minority group members and women employed in each work classification on the project,
 - (2) the progress and efforts being made in cooperation with unions to increase employment opportunities for minority and women (applicable only to Contractors who rely in whole or in part on unions as a source of their work force),
 - (3) the progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees, and
 - (4) the progress and efforts being made in securing the services of minority group Subcontractors or Subcontractors with meaningful minority and female representation among their employees.
- b. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State highway agency and the Federal Highway Administration.
- c. Contractors will submit to the State highway agency a monthly E.E.O. report for each month for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form PR-1391. Each covered Subcontractor will submit the reports for the life of the Subcontractor's agreement and indicate last month of work. When no work is performed during a month indicate this on the report as NO WORK.

Training Special Provisions

This Training Special Provisions supersedes subparagraph 7b of the Special Provision entitled "Specific Equal Employment Opportunity Responsibilities," (Attachment 1), and is in implementation of 23 U.S.C.C.140(a).

As part of the Contractor's equal employment opportunity affirmative action program, training shall be provided as follows:

The Contractor shall provide on-the-job training aimed at developing full journeymen in the type of trade or job classification involved.

The number of trainees to be trained under the special provision will be 0 (amount to be filled in by the State Highway Department).

In the event that a Contractor subcontracts a portion of the contract work, they shall determine how many, if any, of the trainees are to be trained by the Subcontractor, provided, however, that the Contractor shall retain the primary responsibility for meeting the training requirements imposed by this special provision. The Contractor shall also ensure that this training special provision is made applicable to such subcontract. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training.

The number of trainees shall be distributed among the work classifications on the basis of the Contractor's needs and the availability of journeymen in the various classifications within a reasonable area of recruitment. Prior to commencing construction, the Contractor shall submit to the State highway agency for approval the number of trainees to be trained in each selected classification and training program to be used. Furthermore, the Contractor shall specify the starting time for training in each of the classifications. The Contractor will be credited for each trainee employed by him on the contract work who is currently enrolled or becomes enrolled in an approved program and will be reimbursed for such trainees as provided hereinafter.

Training and upgrading of minorities and women toward journeyman status is a primary objective of this Training Special Provision. Accordingly, the Contractor shall make every effort to enroll minority trainees and women (e.g., by conducting systematic and direct recruitment through public and private likely to yield minority and women trainees) to the extent that such persons are available within a reasonable area of recruitment. The Contractor will be responsible for demonstrating the steps that they have taken in pursuance thereof, prior to a determination as to whether the Contractor is in compliance with this Training Special Provision. This training commitment is not intended, and shall not be used, to discriminate against any applicant for training, whether a member of a minority group or not.

No employee shall be employed as a trainee in any classification in which they have successfully completed a training course leading to journeyman status or in which they have been employed as a journeyman. The Contractor should satisfy this requirement by including appropriate questions in the employee application or by other suitable means. Regardless of the method used, the Contractor's records should document the findings in each case.

The minimum length and type of training for each classification will be as established in the training program selected by the Contractor and approved by the State highway agency and the Federal Highway Administration. The State highway agency and the Federal Highway Administration shall approve a program if it is reasonably calculated to meet the equal employment opportunity obligations of the Contractor and to qualify the average trainee for journeyman status in the classification concerned by the end of the training period. Furthermore, apprenticeship programs registered with the U.S. Department of Labor, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau and training programs approved but not necessarily sponsored by the U.S. Department of Labor, Manpower Administration, Bureau of Apprenticeship and training shall also be considered acceptable provided it is being administered in a manner consistent with the equal employment obligations of Federal-aid highway construction contracts. Approval or acceptance of a training program shall be obtained from the State prior to commencing work on the classification covered by the program. It is the intention of these provisions that training is to be provided in the construction crafts rather than clerk-typists or secretarial-type positions. Training is permissible in lower level management positions such as office engineers, estimators, timekeepers, etc., where the training is oriented toward construction applications. Training in the laborer classification may be permitted provided that significant and meaningful training is provided and approved by the division office. Some off-site training is permissible as long as the training is an integral part of an approved training program and does not comprise a significant part of the overall training.

Except as otherwise noted below, the Contractor will be reimbursed 80 cents per hour of training given an employee on this contract in accordance with an approved training program. As approved by the engineer, reimbursement will be made for training persons in excess of the number specified herein. This reimbursement will be made even though the Contractor receives additional training program funds from other sources provided such other source does not specifically prohibit the Contractor from receiving other reimbursement. Reimbursement for off-site training indicated above may only be made to the Contractor where they do one or more of the following and the trainees are concurrently employed on a Federal-aid project; contributes to the cost of the training, provides the instruction to the trainee, or pays the trainee's wages during the off-site training period.

No payment shall be made to the Contractor if either the failure to provide the required training, or the failure to hire the trainee as a journeyman, is caused by the Contractor and evidences a lack of good faith on the part of the Contractor in meeting the requirements of this Training Special Provision. It is normally expected that a trainee will begin his training on the project as soon as feasible after start of work utilizing the skill involved and remain on the project as long as training opportunities exist in his work classification or until he has completed his training program. It is not required that all trainees be on board for the entire length of the contract. Contractors will have fulfilled their responsibilities under this Training Special Provision if they have provided acceptable training to the number of trainees specified. The number trained shall be determined on the basis of the total number enrolled on the contract for a significant period.

Trainees will be paid at least 60 percent of the appropriate minimum journeyman's rate specified in the contract for the first half of the training period, 75 percent for the third quarter of the training period, and 90 percent for the last quarter of the training period, unless apprentices or trainees in an approved existing program are enrolled as trainees on this project. In that case, the appropriate rates approved by the Departments of Labor or Transportation in connection with the existing program shall apply to all trainees being trained for the same classification who are covered by this Training Special Provision.

Contractors shall furnish the trainee a copy of the program the Contractor will follow in providing the training. The Contractor shall provide each trainee with a certification showing the type and length of training satisfactorily completed.

The Contractor will provide for the maintenance of records and furnish periodic reports documenting their performance under this Training Special Provision.

X. REQUIRED CONTRACT PROVISIONS

FEDERAL-AID CONSTRUCTION CONTRACTS

Page	
I.	General
II.	Nondiscrimination
III.	Nonsegregated Facilities
IV.	Payment of Predetermined Minimum Wage
V.	Statements and Payrolls
VI.	Record of Materials, Supplies, and Labor
VII.	Subletting or Assigning the Contract
VIII.	Safety: Accident Prevention
IX.	False Statements Concerning Highway Projects
X.	Implementation of Clean Air Act and Federal Water Pollution Control Act
XI.	Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion
XII.	Certification Regarding Use of Contract Funds for Lobbying

ATTACHMENTS

A. Employment Preference for Appalachian Contracts (included in Appalachian contracts only)

I. GENERAL

1. These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

3. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.

4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

- Section I, paragraph 2;
- Section IV, paragraphs 1, 2, 3, 4, and 7;
- Section V, paragraphs 1 and 2a through 2g.

5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.

6. **Selection of Labor:** During the performance of this contract, the contractor shall not:

a. discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

b. employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II. NONDISCRIMINATION

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

1. **Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

b. The contractor will accept as his operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training."

2. **EEO Officer:** The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

3. **Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and

Federal-Blue Book

will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minority group employees.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of his avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

d. The contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

b. The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

Federal-Blue Book

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the SHA and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

8. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.

b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.

c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

9. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

1. General:

a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account [except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL

Federal-Blue Book

poster (WH-1321) or Form FHWA-1495) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

b. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the

contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

3. Payment of Fringe Benefits:

a. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly case equivalent thereof.

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

a. Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level

Federal-Blue Book

hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable

wage determination or is approved pursuant to the conformance procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under an approved definition, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed.

5. Apprentices and Trainees (Programs of the U.S. DOT):

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

6. Withholding:

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, as much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the SHA contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

7. Overtime Requirements:

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

8. Violation:

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

Federal-Blue Book

9. Withholding for Unpaid Wages and Liquidated Damages:

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

1. Compliance with Copeland Regulations (29 CFR 3):

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

2. Payrolls and Payroll Records:

a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.

c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted shall set out accurately and completely all of the information required to be maintained under paragraph 2b of this

Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR 3;

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

e. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f. The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all Federal-aid contracts on the National Highway System, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 635) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

Federal-Blue Book

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

VII. SUBLETTING OR ASSIGNING THE CONTRACT

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635).

a. "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

VIII. SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment

and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of

Federal-Blue Book

*the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;
Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."*

X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more.)

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 *et seq.*, as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 *et seq.*, as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

XI. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

1. Instructions for Certification - Primary Covered Transactions:

(Applicable to all Federal-aid contracts - 49 CFR 29)

a. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant

knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is submitted for assistance in obtaining a copy of those regulations.

f. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded From Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

Federal-Blue Book

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Covered Transactions:

(Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 49 CFR 29)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

XII. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 - 49 CFR 20)

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

Federal-Blue Book

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or

entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

XI. Wage Rates Applicable

GENERAL DECISION UT020003 04/11/03 UT3

General Decision Number UT020003

Superseded General Decision No. UT010003

State: **Utah**

Construction Type:
HIGHWAY

County(ies):

BEAVER	IRON	SAN JUAN
GARFIELD	KANE	WASHINGTON
GRAND	PIUTE	WAYNE

Modification Number	Publication Date
0	03/01/2002
1	04/11/2003

*** ENGI9993I 07/01/2000**

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		

Compactor	21.73	9.73
-----------	-------	------

SUUT3010A 03/26/1992

	Rates	Fringes
CARPENTERS	16.13	2.80

CEMENT MASONS	15.39	2.30
---------------	-------	------

FLAGGERS	7.05	1.71
----------	------	------

IRONWORKERS:

Ornamental, Reinforcing, Structural	16.65	3.65
--	-------	------

LABORERS:

General Laborer, Asphalt Raker, Fence Erection Laborer	12.18	2.60
---	-------	------

Grade Laborer (Uses hand held level to check grade, inserts grade, inserts grade stakes in concrete)	12.18	2.60
---	-------	------

Laborer, Power Tools Cutting Torch, Operator of gasoline, electric or pneumatic tools, (E.G. compressor, compactor, jackhammer, vibrator, concrete saw, chain saw, and concrete		
--	--	--

cutting torch)	12.52	2.94
Powderman	13.27	2.94
POWER EQUIPMENT OPERATORS:		
Backhoe, Tire & Track, under 5 cu. yds.	18.05	6.99
Backhoe, Tire & Track, over 5 cu. yds.	21.35	5.33
Batch plant, concrete/asphalt	14.20	5.10
Blade, Smooth/Finish	18.09	6.29
Bulldozer, all sizes	17.32	6.00
Cranes, all sizes	19.05	7.63
Grade Setter	17.15	7.08
Heavy Duty Repairman	17.95	7.13
Loader, under 2 1/2 cu. yds.	13.04	
Loader, 2 1/2 to 10 cu. yds.	18.05	6.41
Lube and Service Engineer	16.71	5.80
Oiler	14.32	2.71
Paver, Concrete/Asphalt	13.81	4.97
Roller, Asphalt	15.82	5.70
Roller, Grade/Compaction	14.11	5.17
Scraper, Single engine	18.35	7.63
Screedman	15.88	5.65
Tractor, small rubber tire	17.93	7.22
Tractor, small rubber tire with attachments	19.52	7.08
TRUCK DRIVERS:		
Dump Trucks - Water Level Capacity (Bottom, End and Side), Including Dumpster Truck, Turnawagons, Turna- rockers and Dumpcrete):		
Less than 8 cu. yds.	16.38	5.88
8 cu. yds. and less than 14 cu. yds.	14.69	4.47
14 cu yds and less than 35 cu yds	15.30	4.96
14 cu yds and less than 35 cu yds, double	16.39	5.72
Water, Fuel and Oil trucks:		
1200 Gallons to less than 2500 gallons	14.01	3.35
2500 Gallons to less than 4,000 gallons	15.46	6.12
4,000 Gallons to less than 6,000 gallons	16.59	6.12
6,000 Gallons to less than 10,000 gallons	16.54	5.87
10,000 Gallons to less than 150,000 gallons	17.09	6.12

Pickup Truck	15.67	5.87

TEAM2220B 07/01/1990		
	Rates	Fringes
TRUCK DRIVERS:		
Oiler Spreader Operator where bootman is not required	17.09	6.52
Transport Trucks (Carrying Capacity):		
Less than 10 tons	16.29	6.52
10 tons & less than 15 tons	16.44	6.52
15 tons & less than 20 tons	16.54	6.52
20 tons & over	16.69	6.52

Employees driving transport trucks equipped with a winch, hoist attachment or A-frame shall receive (\$.12) per hour additional. When employees are loading or unloading sack lime or cement,

creosoted timber or similar materials injurious to employees health or clothing, they shall receive (\$.15) per hour additional.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests

for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.
END OF GENERAL DECISION

XII. Bidding Schedule

Utah Department of Transportation

Bidder's Schedule

Bid Opening Date: 6/3/2003

Project Number: BHF-0191(13)129

Project Name: SR-191 OVER COLORADO RIVER NEAR MOAB

Description: MINOR BRIDGE REHAB

Funding: FEDERAL

Region: REGION 4

County: GRAND

#	Item	Description	Quantity	Unit
20 - STRUCTURES				
1	012850010	Mobilization	1	lump sum
2	015540005	Traffic Control	1	lump sum
3	01574001P	Environmental Control Supervisor	150	hour
4	02373001*	Loose Riprap	10	cubic yard
5	02381000*	Scour Protection, A-Jacks Concrete Armor Installation	1	lump sum
6	02481000*	Fiber Reinforced Polymer Wrap Installation (Est. Qty. 2700 sq ft)	1	lump sum
7	03924000*	Structural Concrete Repair (Est. Qty. 250 sq ft)	1	lump sum

Note: Item numbers ending with "" or "P" identify a change to the Standard Specification, Supplemental Specifications or Measurement and payment. Read all related documents carefully.

XIII. Measurement and Payment

MEASUREMENT AND PAYMENT

BHF-0191(13)129

The Department will measure and pay for each bid item as detailed in this section.
Payment is contingent upon acceptance by the Department.

Items are listed by Specification and in tables as follows:

Item #	Bid item number	Bid Item Name	Unit of measurement and payment
Additional information goes here.			

1	012850010	Mobilization	Lump sum
	Payment	Amount Paid	When Paid
	First	The lesser of 25% of Mobilization or 2.5% of contract	With first estimate
	Second	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 5% of contract
	Third	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 10% of contract
	Fourth	The lesser of 25% of Mobilization or 2.5% of contract	With estimate following completion of 20% of contract
	Final	Amount bid in excess of 10% of contract price.	Project Acceptance-Final

2	015540005	Traffic Control	Lump Sum
	Payment	Amount Paid	When Paid
	One	25% of the bid item amount	With first estimate
		Remaining portion of bid item paid as a percentage of the contract completed	With each estimate

3	01574001P	Environmental Control Supervisor	Hour
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4	02373001*	Loose Riprap	Cubic yard
In place, computed using the in-place surface area and specified thickness.			

5	02381000*	Scour Protection, A-Jacks® Concrete Armor Installation	Lump Sum
Payment for this item includes: Assembly and Installation of A-Jacks® Concrete Armor Stainless Steel Cable fittings, installed Stainless Steel Banding cable, installed Earthwork: Leveling, & Grading Geotextile: Non-woven Filter Fabric Backfill and In-fill at piers Clean Gravel for In-fill All equipment, labor, and non-state-furnished material necessary to complete Installation and clean-up.			

6	02481000*	Fiber Reinforced Polymer Wrap Installation (Est. Qty. 2700 sq ft)	Lump Sum
Payment for this item includes: Installation of Fiber Reinforced Polymer Wrap All equipment, labor, water, and non-state-furnished material necessary to complete installation and clean-up of this item. Additional FRP installation must be approved by the Engineer and will be paid at \$7 per square foot per layer installed.			

7	03924000*	Structural Concrete Repair (Est. Qty. 250 sq ft)	Lump Sum
Payment for this item includes: Structural Concrete Repair: Crack Repair Delamination Repair Repair & Sealing Material Underwater Patching Concrete Excavation Vertical Patching Compound All equipment, labor, and material necessary to complete repair and clean-up. Additional repair work must be approved by the Engineer and will be paid at \$25 per square foot.			

XIV. PDBS Project Summary Report

Summary Report

Project: BHF-0191(13)129

Version: 1

SR-191 OVER COLORADO RIVER NEAR MOAB

Detail	Alt Group	Alt #	Description		
20 - STRUCTURES	0	0			
Item Number	Description		Qty	Unit	
012850010	Mobilization		1	Lump	
015540005	Traffic Control		1	Lump	
01574001P	Environmental Control Supervisor		150	Hour	
02373001*	Loose Riprap		10	cu yd	
02381000*	Scour Protection, A-Jacks Concrete Armor Installation		1	Lump	
02481000*	Fiber Reinforced Polymer Wrap Installation (Est. Qty. 2700 sq ft)		1	Lump	
03924000*	Structural Concrete Repair (Est. Qty. 250 sq ft)		1	Lump	

XV. PDBS Detailed Stationing Summaries Report

Detailed Report

BHF-0191(13)129

Version: 1

SR-191 OVER COLORADO RIVER NEAR MOAB

20 - STRUCTURES

Alt Group: 0 Alt #: 0

Item Number	Description					Use Qty	Unit
02381000*	Scour Protection, A-Jacks Concrete Armor Installation					1	Lump
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
BAND	BEGIN		END			Stainless Steel Banding Cable: 17,800 ft (FOR INFORMATION ONLY)	
CABLE	BEGIN		END			Steel Cable: 35,760 ft. (FOR INFORMATION ONLY)	
EARTHW	BEGIN		END		0.0	EARTHWORK: 720 SQ YD (FOR INFORMATION ONL	
GEOTEX	BEGIN		END			GEOTEXTILE FILTER FABRIC 3,000 sq yd (FOR INFORMATION ONLY)	
MODULE						AJACKS MODULES APPROX. 400 (FOR INFOR. ONL	
					0.0		
02481000*	Fiber Reinforced Polymer Wrap Installation (Est. Qty. 2700 sq ft)					1	Lump
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
						Additional FRP installation to be paid at \$7 per sq ft per layer installed.	
					0.0		
03924000*	Structural Concrete Repair (Est. Qty. 250 sq ft)					1	Lump
Line/Sheet	From Station	From Offset	To Station	To Offset	Qty	Comment	
						Additional repair will be paid at \$25 per sq ft	
					0.0		

XVI. Special Provisions

April 10, 2003

SPECIAL PROVISION

PROJECT # BHF-0191(13)129

SECTION 00250S

PREBID CONFERENCE

PART 1 GENERAL

1.1 SCHEDULING

- A. A mandatory Pre-Bid Conference will be held at the following time and location:

Date: May 21, 2003 Time: 1:00 PM

Location: UDOT Moab Construction Division Office
424 Kane Creek Blvd, Moab, Utah

Project ID SR-191 Over Colorado River near Moab

- B. Representatives of Construction and Design will be present to discuss details related to this project.
- C. Bids submitted by Contractors who did not attend the pre-bid conference will be non-responsive.

PART 2 PRODUCTS Not Used

PART 3 EXECUTION Not Used

END OF SECTION

December 20, 2002

**SPECIAL PROVISION
BHF-0191(13)129**

SECTION 00555 M

PROSECUTION AND PROGRESS

Add the following lines to Paragraph 1.12, Limitation of Operations, in Part I:

- D. Abide by all conditions of the Army Corps of Engineers 404 Stream Alteration Permit. This document is attached and considered part of the Contract.
- E. Acquire the rights and permits necessary for the staging, storage and assembly area in accordance with Section 01355, Environmental Protection.
- F. Perform no work from the bridge deck. Maintain one lane of traffic in each direction on SR-191, 24 hours per day.
- G. No work will be allowed in the Colorado River water way from May 01 through September 30.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

October 3, 2002

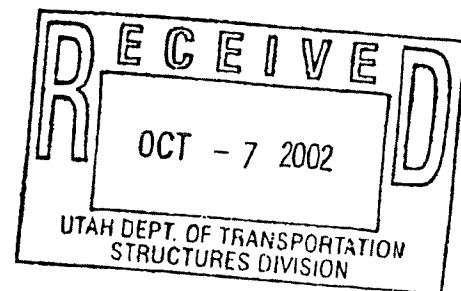
Michael O. Leavitt
Governor

Robert L. Morgan
Executive Director

Jerry D. Olds
State Engineer

1594 West North Temple, Suite 220
PO Box 146300
Salt Lake City, Utah 84114-6300
(801) 538-7240 telephone
(801) 538-7467 fax
www.nr.utah.gov

Michael Fazio, P.E.
Utah Department of Transportation
Central Hydraulics Division
4501 South 2700 West
Box 148470
Salt Lake City, UT 84114-8470



RE: Stream Channel Alteration Permit Number 02-05-03SA for bridge repair on the Colorado River in Grand County.
EXPIRATION DATE: October 3, 2003

Your application to Alter a Natural Stream Channel Number 02-05-03SA is hereby approved pursuant to the requirements of Section 73-3-29 of the Utah Code Annotated, 1953. This approval also constitutes compliance with Section 404 (e) of the Clean Water Act (33 USC 1344) pursuant to General Permit 040 issued to the State of Utah by the U.S. Army Corps of Engineers on October 15, 1987.

Work performed under this permit is subject to the following conditions:

1. The expiration date of this approved application is October 3, 2003. The expiration date may be extended, at the State Engineer's discretion, by submitting a written request outlining the need for the extension and the reasons for the delay in completing the proposed stream alteration.
2. A copy of this approved permit must be kept on-site at any time the work under this approved permit is in progress.
3. Impacts to the stream channel and surrounding environment must be minimized. Vegetation should not be destroyed, but if some disturbance is necessary, then revegetating with native species will be required, especially of woody shrubs. The channel contours and configuration must not be changed except in the case of bank contouring for stabilization purposes.
4. Excavated material and construction debris may not be wasted in any stream channel or placed in flowing waters. This will include material such as grease, oil, joint coating, or any other possible pollutant. Excess materials must be wasted at an upland site well away from any channel. Construction materials, bedding material, excavated material, etc. may not be stockpiled in riparian or channel areas.
5. Best Management Practices should be implemented and maintained during any stream side or instream work to minimize sedimentation, temporary erosion of stream banks, and needless damage or alteration to the stream bed.

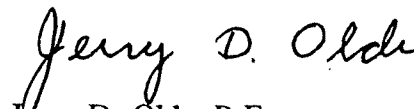
Page 2
02-05-03SA
October 3, 2002

6. Machinery must be properly cleaned and fueled offsite prior to construction.
7. Work must be accomplished between October and spring runoff to avoid significant impacts to endangered species.
8. Please contact this office prior to construction.
9. Approval of this application does not authorize trespass, easements, rights-of-way, or any other access or land use permits. It is the responsibility of the applicant to obtain any such authorizations as may be necessary for this proposal.
10. Within 30 days after the completion of this project, the State Engineer's office must be contacted for a compliance inspection. Failure to provide such notification would invalidate U.S. Army Corps of Engineers General Permit 040, thereby placing the applicant in violation of Section 404 of the Clean Water Act.

This Decision is subject to the provisions of Rule R655-6 of the Division of Water Rights and to Sections 63-46b-13 and 73-3-14 of the Utah Code Annotated, 1953 as amended, which provide for filing either a Request for Reconsideration with the State Engineer, or an appeal with the appropriate District Court. A Request for Reconsideration must be filed with the State Engineer within 20 days of the date of this decision. However, a Request for Reconsideration is not a prerequisite for a court appeal. A court appeal must be filed within 30 days after the date of this Decision, or if a Request for Reconsideration has been filed, within 30 days after the date the Request for Reconsideration is denied. A Request for Reconsideration is considered denied when no action is taken 20 days after the Request is filed.

If you have any questions or need further clarification, please contact Daren Rasmussen at 801-538-7377.

Sincerely,


Jerry D. Olds, P.E.
State Engineer

JDO/dr/jm

pc: Ken Jacobson - Corps of Engineers
Dave Ruiter - EPA
Field Supervisor - U.S. Fish & Wildlife
Jim Dykmann - State History
Carolyn Wright - Dept. of Natural Resources
Mark Page - Regional Engineer
Chris Colt - Regional Wildlife Habitat Manager
Bill Bradwisch - Aquatic Habitat Coordinator

271



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

Michael O. Leavitt
Governor

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State Engineer

1594 West North Temple, Suite 220

PO Box 146300

Salt Lake City, Utah 84114-6300

(801) 538-7240 telephone

(801) 538-7467 fax

www.nr.utah.gov

March 21, 2003

Michael Fazio, P.E.
Utah Department of Transportation
Central Hydraulics Division
4501 South 2700 West
Box 148470
Salt Lake City, UT 84114-8470

RE: Stream Channel Alteration Permit No. 02-05-03SA for bridge repair on the Colorado River in Grand County.
EXPIRATION DATE: October 3, 2004

Permit to Alter a Natural Stream Channel No. 02-05-03SA is hereby extended pursuant to the requirements of Section 73-3-29 of the Utah Code Annotated, 1953. This extension also constitutes compliance with Section 404 (e) of the Clean Water Act (33 USC 1344) pursuant to General Permit 040 issued to the State of Utah by the U.S. Army Corps of Engineers on October 15, 1987.

Work performed under this permit is subject to the conditions of the original permit.

Within 30 days after the completion of this project, the State Engineer's office must be contacted for a compliance inspection. Failure to provide such notification would invalidate U. S. Army Corps of Engineer's General Permit 040, thereby placing the applicant in violation of Section 404 of the Clean Water Act.

This decision is subject to the provisions of Rule R655-6-17 of the Division of Water Rights and to Sections 63-46b-13 and 73-3-14 of the Utah Code Annotated, 1953 as amended, which provide for filing either a Request for Reconsideration with the State Engineer, or an appeal with the appropriate District Court. A Request for Reconsideration must be filed with the State Engineer within 20 days of this decision. A court appeal must be filed within 30 days after the date of this decision, or if a Request for Reconsideration has been filed, within 30 days after the Request for Reconsideration has been denied. A Request for Reconsideration is considered denied when no action is taken 20 days after the Request is filed.

Utah!
Where ideas connect

Page 2
02-05-03SA
March 21, 2003

If you have any questions or comments, please feel free to contact Daren Rasmussen at 801-538-7377.

Sincerely,



Jerry D. Olds, P.E.
State Engineer

JDO/dr/jm

pc: Nathan J. Green - Corps of Engineers
Dave Ruiter - EPA
Supervisor - U. S. Fish & Wildlife
Jim Dykmann - State History
Carolyn Wright - Dept. of Natural Resources
Mark Page - Regional Engineer
Chris Colt - Regional Wildlife Habitat Manager
Bill Bradwisch - Aquatic Habitat Coordinator

December 19, 2002

SPECIAL PROVISION
Project No. BHF-0191(13)129

SECTION 02373 M

RIPRAP

Delete Section 02373 of the Standard Specifications, and replace with the following Special Provision:

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Materials and procedures for placing loose riprap.

1.2 RELATED SECTIONS

- A. Section 02075: Geotextiles.

1.3 REFERENCES

- A. ASTM C 535: Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine.
- B. AASHTO T 104: Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate.

1.4 SUBMITTALS

- A. Submit data showing riprap source gradation, wear and soundness, and placement technique 10 working days before use.
- B. Submit samples for quality assurance testing before use.

PART 2 PRODUCTS

2.1 AGGREGATE

- A. Durable, angular, hard stone that is free from seams, cracks or other structural defects.
- B. Maximum wear not greater than 40 percent when tested. ASTM C 535.
- C. Maximum 16 percent weighted loss. AASHTO T 104.
- D. Loose Riprap: The stones will be graded in size so as to produce a reasonably dense mass. Avoid using rectangular shaped rock by using a more cubical shaped rock. The greatest dimension of any one side of any rectangular specimen from the larger fifty percent of the stone will be not more than one and one-half times the corresponding width or thickness of that specimen. Loose riprap shall meet the following gradation requirements:

Percent Passing	Equivalent Diameter in Feet
100	1.3
67	0.91
50	0.65
33	0.46
20	0.33

2.2 ACCESSORIES

- A. Geotextile Fabric: Refer to Section 02075.

PART 3 EXECUTION

3.1 PREPARATION

- A. Remove all brush, woody debris, stumps, and other objectionable materials.
- B. Provide a firm foundation to a dressed uniform surface conforming to the lines and grades shown in the plans.

- C. Do not over-excavate undisturbed soils or excavate outside of the required lines and grades shown on the plans. Secure approval from ENGINEER before backfilling or installing geotextiles.
- D. Install required geotextile following Section 02075 and plans.

3.2 LOOSE RIPRAP

- A. Place a 1.3 foot thickness of riprap between pier surface and A-Jack's® on a prepared surface as shown on the plans, after placement of adjacent A-jack's modules. Use care in placing stones adjacent to A-Jacks modules. Do not drop stone directly on A-Jacks elements.
- B. Remove any damaged A-Jacks modules and replace with a module which does not contain any damaged A-Jacks units.
- C. Place stones to secure a rock mass conforming to the grades and dimensions shown on the plans. Distribute and manipulate the stones in a manner to ensure that the larger rock fragments are uniformly distributed and the smaller rock fragments serve to fill the spaces between the larger fragments. Placement will be in a manner that results in unsegregated, densely placed, uniform layers of riprap of the thickness indicated on the plans.

END OF SECTION

**SPECIAL PROVISION
Project No. BHF-0191(13)129**

SECTION 02381S

**SCOUR PROTECTION,
A-JACKS® CONCRETE ARMOR INSTALLATION**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. A-Jacks® concrete armor units and modules assembly and installation.

1.2 RELATED SECTIONS

- A. Section 02075: Geotextile
- B. Section 02373: Riprap
- C. Section 02317: Structural Excavation
- D. Section 02481S: Fiber Reinforced Polymer Wrap
- E. Section 03350S: Underwater Patching Concrete

1.3 REFERENCES

- A. ASTM C 140: Sampling and Testing Concrete Masonry Units.
- B. ARMORTEC Manufacturing Company Representative.

1.4 ACCEPTANCE

- A. A-Jacks® units are State furnished.
- B. Use only units that are sound, and free of defects that interfere with assembling and placing of the unit or impair the strength or performance of the constructed module.

- C. Do NOT use or repair broken units. A unit is considered broken if it has fractured within the middle one third of its length or if it has lost more than 5% of any extremity.
- D. The Contractor is fully responsible for scheduling and arranging the delivery of UDOT supplied A-Jacks units to the Contractor's module assembly site. Store excess units in a safe manner. Replace any damaged or broken A-Jacks units in excess of the 3% overage being supplied. Remove any damaged or broken units from the project site and dispose of them in a proper manner.

PART 2 PRODUCTS

2.1 A-JACKS® CONCRETE ARMOR UNITS

- A. A-JACKS® Model AJ-24 armor units consist of precast concrete elements with the following characteristics:
 - 1. An individual A-Jacks concrete armor unit consists of six arms extending from a central hub.
 - 2. When placed, each unit will rest on three of the six arms.
 - 3. Total length of each unit is 2.00 feet with a fillet length of 1.84 inches, and arm widths of 3.68 inches.
 - 4. Each unit has a weight of 78 pounds with a volume of 0.56 cubic feet.
- B. A-JACKS MODULES
 - 1. Assemble individual A-JACKS® units together by interlocking two identical precast halves, each consisting of a central core with three legs radiating outward at equal spacing. The center leg contains a "fillet" on either side of it to aid in the proper placement and assembly of the concrete units into a module. Interlock the symmetrical halves so that the resultant unit geometry will have six equally spaced arms, with each arm spaced at 90 degrees from the four adjacent arms.
 - 2. Assemble thirty six A-JACKS® concrete armor units and join them successively into 6 x 6 modules with stainless steel banding cable and fittings. The weight of each module will be a minimum of 1.4 tons. The outermost dimensions of the finished 6 x 6 modules will be 6 ½ feet long by 6 ½ feet wide by 1.3 feet thick.
- C. Use state furnished A-JACKS® concrete armor units as manufactured and sold by:

ARMORTEC
P.O. BOX 20308

- D. Contractor is fully responsible to coordinate and schedule delivery of materials from manufacturer. Allow a 72-hour notification lead time for delivery. Manufacturer may ship a minimum of one truck load up to a maximum of 3 truck loads of A-Jack's per day as Contractors ability allows. Additional contract time will not be granted due to scheduling or shipment delays. To schedule A-Jacks shipments please contact: Kay at ARMORTEC, phone 1-800-305-0523.
- E. Contractor is responsible for furnishing proper equipment to unload A-Jack's unit pallets from delivery trucks. Individual pallets of A-Jacks weigh less than 3000 pounds.
- F. The Contractor will provide a large enough staging area to allow proper and safe off-loading of pallets from the delivery trucks. Stacking of pallets is not allowed. Provide sufficient area so that pallets are not stacked upon each other either temporarily or permanently.

2.2 BANDING CABLE AND FITTINGS

A. Stainless Steel Banding Cable and Fittings

- 1. Use stainless steel cable. The banding cable will have the following physical characteristics:

<u>Nominal Cable Diam.(in)</u>	<u>Cable Tensile Strength (Lbs)</u>
1/4 min.	6,400

- 2. Furnish banding cable splicing fittings that have a resultant splice that provides a minimum of 60 percent of the rated cable strength. Furnish all necessary fittings elements such as sleeves, stops and washers. Use only fitting sleeves and stops as furnished by the manufacturer.
- 3. Furnish a cable and splicing fittings that are not affected by continuous immersion in fresh or salt water.
- 4. Follow Armortec written recommendations as to both initial cable tension and ideal splice location.

2.3 GRAVEL

A. Gravel for Leveling and In-filling

1. Furnish a sound, clean, angular, well graded, three inch minus, granular material, one hundred percent of which is retained on a 3/8 inch sieve.

PART 3 EXECUTION

3.1 INSTALLATION

A. Backfill

1. Backfill excavated areas at piers with original riprap material (See Related Sections). Place Riprap as shown on plans following Section 02373. Use clean gravel in-fill material as necessary to create an uniform surface.

B. Foundation Preparation

1. **General.** Grade only in the placement areas shown on the Contract Drawings and according to the tolerances specified, and as approved by the Engineer. Minimize disturbance to the existing channel bottom.
2. **Grading.** Banded A-JACKS® modules are capable of conforming to modest curvature of the channel bottom. Eliminate any abrupt changes in curvature of the channel bottom in the placement area by removing the offending channel high points or by filling any excessive holes with clean gravel materials. Foundation preparation is sufficient when each of the thirty six units making up a banded module will rest firmly on the channel bottom on three of the six concrete arms which make up a single unit. Remove any debris, and large stones which project normal to the local channel slope and which would prevent the proper bearing of the legs of the armor units making up the modules. Grade the slope to a smooth surface. Bring up the grade by placing clean gravel material where needed to provide bearing while minimizing disturbance to the existing channel bottom.
3. **Geotextile:** Place geotextile filter fabric upon this prepared foundation.

C. Module Assembly

1. Secure an approved and appropriate staging area.
2. Construct A-Jacks® concrete armor units into modules of 36 units.
3. Use State-furnished A-Jacks® concrete armor units.
4. Do not use broken or damaged units.

5. Use care in assembly so that no armor units are broken. Any A-Jacks® armor units which are broken will be replaced at the expense of the Contractor, without any further cost to the Department.
6. Assemble modules following manufacturers guidelines.
 - Assemble modules making sure of proper bearing of the legs of each armor unit, making up the modules.
 - Assemble thirty six A-JACKS® concrete armor units and join them successively into 6 x 6 modules.
 - Band each module with stainless steel banding cable and fittings as recommended by manufacturer and to avoid any damage to A-Jacks® concrete armor units.
7. Use standard Model AJ-24 A-JACKS® concrete armor units. Place the A-JACKS® module structures as shown on the plans and as specified by the manufacturer.

D. Placement of A-Jacks®

1. **General.** Place the 1.4 ton 6 x 6 A-JACKS® modules (6 unit by 6 unit nested pattern containing 36 A-JACKS®) using appropriate lifting equipment. Do not use a placement method that will cause damage or breakage to any of the module elements. Use any placement method that provides sufficient support points to prevent any damage or breakage of the concrete arms or excessive strain to the permanent banding cable.
2. **Placement.** Place A-JACKS® modules only within the placement areas delineated on the Contract Drawings. Place on a prepared foundation. Foundation preparation is sufficient when each of the thirty-six units making up a banded module will rest firmly on the channel bottom on three of the six concrete arms which make up a single A-JACKS® unit.
3. **Placement Tolerances.** Place A-JACKS® modules as close to each other as practicable. Do not exceed a 9 inch maximum spacing between modules. Measure acceptable spacing tolerance with a 6 inch diameter cylinder. The length of the cylinder used will be a minimum of 1.3 feet. Placement of the modules is acceptable, and no additional work is required, when it is not possible for this 6 inch diameter cylinder to penetrate the space between adjacent modules. Similarly measure the 9 inch maximum spacing tolerance with a 9 inch diameter cylinder. The length of the cylinder used will be a minimum of 1.3 feet. Placement of modules is acceptable; with the additional gravel in-filling work described below, when it is not possible for the 9 inch diameter cylinder to penetrate the space between adjacent modules.
 - Repair the excessive spacing by completely filling the void space which exists between the adjacent modules up to the top of the

modules (a 1.3 foot depth) wherever the distance between the adjacent modules exceeds 6 inches but is less than 9 inches (see tolerances described above). The cost of this gravel in-filling repair is to be included in other items of work.

- Remove any damaged modules and reconstruct module using only unbroken precast A-JACKS® elements.

4. **Placement and Consultation.** Coordinate initial placement activities with the manufacturer. Have an authorized Armortec construction specialist representative on the project site for the first two working days of A-JACKS® module assembly and first two working days of A-JACKS® module placement to provide construction advice during the initial assembly and installation phases of the project.

E. Placement of Gravel

1. **General.** Place gravel only in locations indicated on the contract drawings and specifications or where directed by the Engineer.
2. **Placement.** Use a placement method that will not cause damage or breakage of the module elements.

END OF SECTION

April 8, 2003

**SPECIAL PROVISION
Project No. BHF-0191(13)129**

SECTION 02481 S

**FIBER REINFORCED POLYMER WRAP FOR REPAIR OF
BRIDGE COLUMNS AND CAP BEAMS**

PART 1 GENERAL

This specification covers State furnished Fiber Reinforced Polymer (FRP) Wrap material application, for repairing concrete structural elements.

1.1 SECTION INCLUDES

- A. Materials and procedures for applying State furnished composite material to concrete structural elements.
- B. Requirements on fiberglass field saturated or pre-impregnated systems.
- C. NSF Listing Data.
- D. Water curing requirements.
- E. Manufacturer's Installation instructions for Fiber Reinforced Polymer Wrap.

1.2 RELATED SECTIONS

- A. 02373 - Riprap
- B. 02381S - A-Jack's Concrete Armor Installation
- C. 03350S – Underwater patching Concrete
- D. 03922 - Delamination Repair
- E. 03924 - Structural Concrete Repair
- F. 03935 - Epoxy Injection and Sealing

1.3 REFERENCES

- A. Manufacturer's Representative
- B. Manufacturer's web page for Field Applied Composite Systems:
<http://www.airlog.com/>

PART 2 PRODUCTS

2.1 FIBER REINFORCED POLYMER WRAP

- A. Use state furnished Fiber Reinforced Polymer Wrap which is manufactured by:
Air Logistics Corp.
451 Oak Street, Suite 209
P.O. Box 130
Frederick, CO 80530
To request shipments of Fiber Reinforced Polymer product, please contact:
Larry Cercone, Phone/Fax 303-833-0405.
- B. Contractor is responsible to coordinate and schedule delivery of materials from manufacturers. Additional contract time will not be granted due to scheduling or shipment delays.
- C. Protect materials from freezing.

PART 3 EXECUTION

3.1 MANUFACTURER'S SPECIFICATIONS

- A. Abide by and follow Manufacturer's specifications for Fiber Reinforced Polymer wrap. This information is attached and considered as part of the Contract.

3.2 SURFACE PREPARATION

- A. Remove all loose or spalled material.
- B. Remove oxidation from exposed reinforcing steel until all loose and scaled deposits are removed.

- C. Provide a smooth surface for the application of the Fiber Reinforced Polymer wrap. (See Related Sections)
 - 1. Do not place Fiber Reinforced Polymer wrap if surface deformities are 0.5 inches in diameter by 0.25 inches deep or larger.
 - 2. Restore the surface to its original dimensions by patching with gunnite or approved materials.
- D. For circumferential or spiral wraps thoroughly wet the entire surface to be wrapped with water as indicated by Manufacturer.
- E. Use only adhesives indicated with product that bond the Fiber Reinforced Polymer material to the concrete under water.

3.4 WRAP INSTALLATION

- A. Install the State furnished Fiber Reinforced Polymer wrap material in accordance with the manufacturer's installation instructions. Minimize formation of voids and bubbles under the Fiber Reinforced Polymer. Fill any voids with an approved epoxy.

3.5 INSPECTION BY MANUFACTURER

- A. A certified representative from the manufacturer of the Fiber Reinforced Polymer material must be on-site for the entire installation of the Fiber Reinforced Polymer material. This company representative will also be required to inspect all the surfaces slated for Fiber Reinforced Polymer installation after surface preparation and prior to wrapping. Contact Air Logistics Corp. in advance for scheduling.

END OF SECTION

AQUAPREG™

22-71-WR

LOW COST REINFORCEMENT AND REPAIRS

Aquapreg is a low cost composite system for use in the fabrication of parts and assemblies, as well as the repair and reinforcement of existing mechanical systems and structures. Cured Aquapreg is a durable high strength material, impervious to fuels, most chemicals and solvents, is odorless and non-combustible. It permanently bonds to a wide variety of surfaces such as metals, composites, plastics and wood, and can be sawed, drilled or sanded and painted as required.

Aquapreg cures by way of a chemical reaction with water and completely avoids resin mixing, solvents and autoclaving or other curing techniques. Cleanup is easy and without hazardous waste.

Characteristics and Specifications

Material	Impregnated woven roving glass fabric
Color	Buff white
Thickness	27 ± 23 mils nominal
Working Time	60 minutes, depending on the ambient humidity
Cure Time	30 minutes nominal
Resin Content	32% nominal
Hardness	85 Shore D nominal
Tensile Strength	55,000 PSI
Tensile Modulus	3 x 10 ⁶ PSI
Flexural Strength	30,000 PSI
Flexural Modulus	2.25 x 10 ⁶ PSI
Load Per Ply Per Inch of Width	1200 pounds
Load Per Ply Per Inch of Width for 1% elongation	750 pounds
Tg	122° C
Thermal Exposure Effect	25% softening at 245° C
Tape Widths	6" and 8"
Roll Lengths	20' to 150' depending on width
Chemical Resistance	Resistant to acetone, MEK, toluene, gasoline, ethyl alcohol HCl (some softening) and other fluids

Aquapreg is available in a wide variety of standard fabric materials and weaves various tape widths and roll lengths. We also will produce custom designs for specific customer applications.

AIR LOGISTICS CORPORATION



APPLICATION NOTES

General

Aquapreg cures with the application of water and is shipped in a sealed protective bag to protect it from atmospheric moisture. Care must be taken in handling the sealed pouches prior to opening them and thus allowing the material to be exposed to moisture and cure.

Once the bag is opened and the Aquapreg is exposed to the ambient humidity, it will begin to gel within about 60 minutes, depending on the atmospheric conditions. As such, work must be well planned prior to opening the pouch.

Aquapreg requires no special handling or application procedures than any other prepreg FRP materials, only that it is water activated. Therefore gloves, safety glasses or other personal protection equipment appropriate for the task must be used. All work must be well planned, as once the pouches are opened the material will begin to cure from the ambient humidity of the air.

Structural Repairs

Aquapreg can be used to repair metal, most plastics, fiberglass, wood and concrete materials. It is necessary to calculate the length of material required beforehand. Plan your work and use rubber gloves and eye protection. Wipe surfaces clean and be certain that any residual oil, grease, rust or in the case of plastics mold release agents, are removed from the surface. Use sandpaper or other means to abrade the surfaces of the structure to be repaired and wipe clean.

Open the sealed pouch and remove the roll of Aquapreg. Each layer should be sprayed with a water mist as it is applied. Wrap Aquapreg around the damaged area extending well beyond it on all sides. Be sure that the wraps are tight. Pull the final wrap tight and hold in place for several minutes until the Aquapreg begins to set. Shrink or plastic wrap may also be used to secure the final wrap of Aquapreg in place until it cures. Allow the Aquapreg to fully set-up for an hour before load application.

The first two layers of Aquapreg should be applied directly to the wood without water and pressed into the wood, so that some of the resin coats the wood. The balance of the layers can then be applied with the application of water as usual. For application to steel, wet wood or flat surfaces, use Aquapreg Base Primer Number 1.

Structural Component Fabrication

The fabrication procedure is similar to that used with any other preimpregnated FRP material. Plan the work. Clean mold surfaces, apply release agents and then open the package of Aquapreg. Unroll and cut the Aquapreg to pattern. Working time available is 60 minutes, depending upon the ambient humidity conditions.

Assemble the plies in the following manner. Spray water mist into the mold, place a ply of Aquapreg onto the mold and spray water mist onto the ply. Repeat the placement of plies of Aquapreg applying a spray of water mist between each ply, until such time

as the total number of plies required for the final laminate assembly are in place. Place assembly in a vacuum bag, seal the bag and apply vacuum. Note that the maximum time allowed to assemble the plies onto the mold is about 30 minutes. Allow the Aquapreg to cure undisturbed for one hour under vacuum. Remove finished part from the vacuum bag.

Tooling Fabrication

Apply release agent to the mold master surface and as an option apply 4887 A & B as a compatible gel coat material. Then apply successive layers of water mist and Aquapreg as previously outlined. Another option is to apply 4887 as a compatible surface ply. Either of these options will produce a smooth interior mold surface.

Notes for Underwater Application

Aquapreg can be used under fresh or salt water for the repair of docks, pilings, pipes and other structures. The basic technique is the same and the water will cure the resin. The work must be planned and rubber gloves and eye protection must be used. The surface must be cleaned, free from rust, oil and grease. Abrade the surface with sandpaper or other means. The pouch may be opened under water if convenient. Apply the wraps and secure the last wrap until the material begins to cure. Aquapreg will cure in 30 minutes.

Leak Repair

Aquapreg offers the professional maintenance staff a low cost, easy to use

method, to provide permanent, high strength repairs to pipes, tanks, ducts, rain gutters and utility cabinets. The leak area must be wrapped with at least eight layers of Aquapreg, so it is necessary to calculate the length of material required beforehand. Shut off the line pressure. The surface to be repaired must be cleaned and be free of grease, oil, rust and in the case of plastics mold release agents. Use sandpaper or other means to heavily abrade the surfaces to be repaired and wipe clean.

The Aquapreg pouch should now be opened, wear rubber gloves and protective eyewear. Each layer should be sprayed with a water mist as it is applied. Once the pouch is opened, promptly apply it to the damaged structure. Wrap the Aquapreg tightly around the damaged area, spray water on each layer as it is applied. Pull each layer tight and work the material so that it is smooth. Pull the final wrap tight and hold in place for several minutes until the Aquapreg begins to set. Shrink or plastic wrap can be used to secure the final wrap.

For large holes or areas near a joint or fitting a short piece of Aquapreg may be folded and forced into the hole or crevice around the joint prior to the wrapping process. For large holes or special situations, contact the factory for special instructions. Use Aquapreg Base Primer Number 1 for leak repairs on PVC, steel or polyethylene pipes. Line pressure may be reapplied 30 minutes after the wrap is applied. In cold conditions the cure time should be extended to an hour. Satisfactory re-

pairs can be made on metal, plastic, fiberglass, wood and concrete structures with Aquapreg.

Special Applications

Contact factory for additional instruction sheets for special applications.

Shelf Life

Aquapreg has a shelf life of 12 months in its original package. Store in a clean dry place, do not refrigerate or freeze.

Safety Note

This product is for industrial use only. Avoid prolonged breathing of vapors from the material during its use.

Use in areas with adequate ventilation. Avoid direct skin and eye contact or ingestion. Gloves and protective eyewear are required and protective clothing is recommended when using this product. In the event of skin contact, wash affected area with soap and water. In the event of ingestion, do not induce vomiting, give the victim one or two glasses of water or milk and call a physician or poison control center immediately for further instructions. In the event of eye contamination, flush with water for at least 15 minutes, and get prompt medical attention. See MSDS for additional information.

WARRANTY

The manufacture warrants that the goods delivered hereunder shall be free from defects in material and workmanship. The WARRANTY shall extend for a period of one (1) year after date of delivery of such goods to customer. This warranty is void in the event that the protective pouch has been damaged. THE MANUFACTURER MAKES NO WARRANTY EXPRESS, IMPLIED, (INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR INTENDED PURPOSE), OR STATUTORY, OTHER THAN THE FOREGOING EXPRESS WARRANTY. Failure of customer to submit any claim hereunder with the Warranty Period after receipt of such goods shall be an admission by customer and conclusive proof that such articles are in every respect as warranted and shall release the manufacturer from any and all claims for damage or loss sustained by customer. In the event customer submits a claim for defective material with the required Warranty Period, the parties agree that customer's sole and exclusive remedy shall be the replacement of such defective goods or a refund of the price of the defective goods. To the greatest extent practical defective goods shall be returned to the manufacturer for analysis. IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR SPECIAL, INDIRECT OR INCIDENTAL DAMAGES ARISING OUT OF, OR AS A RESULT OF, THE SALE, DELIVERY, NON-DELIVERY, LOSS OF USE OF GOODS OR ANY PART THEREOF, EVEN THOUGH THE MANUFACTURER HAS BEEN NEGLIGENT OR HAS BEEN INFORMED OF CIRCUMSTANCES WHICH MIGHT GIVE RISE TO SUCH DAMAGES.

Data and parameters listed herein and in our data sheets have been obtained by Air Logistics Corporation using materials under carefully controlled conditions. Data of this type should not be used by production fabricators as design requirements, but rather as indicative of ultimate properties obtainable. In determining whether the material is suited for a particular application, such factors as overall product design and the processing and environmental conditions to which it will be subjected should be considered by the user. Before using, user should determine the suitability of the product for its intended use.

AIR LOGISTICS CORPORATION

3600 East Foothill Boulevard
Pasadena, California 91107-6001
PH: 626.795.9971 FAX: 626.795.2528
www.airlog.com



April 8, 2003

SPECIAL PROVISION
Project No. BHF-0191(13)129

SECTION 03350 S

UNDERWATER PATCHING CONCRETE

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Materials and procedures for repairing structural concrete elements. Perform this work before application of Fiber Reinforced Polymer Wrap.
- B. Furnish and install epoxy compounds.
- C. Work of this Section includes:
 - 1. Epoxy resin and hardener.
 - 2. Preparation of concrete structure surfaces for application of mixed Epoxy.
 - 3. Accessories and equipment required to complete Epoxy placement.
 - 4. Excavation.

1.2 RELATED SECTIONS

- A. Section 03310: Structural Concrete.
- B. Section 02317: Structural Excavation
- B. Section 02381S: Scour Protection
- C. Section 03390: Concrete Curing.
- D. Section 03924: Structural Concrete Repair

1.3 REFERENCES

- A. Conform to the latest edition of the applicable reference specifications and to the applicable codes and requirements of local authorities having jurisdiction.
- B. Use the following standards and references:
 - 1. Work Place Safety:

- a. OSHA Safety and Health Standards (29 CFR 1926/1910), current edition.
 - b. National Safety Council (NSF).
 - c. National Institute for Occupational Safety & Health
- 2. Standards:
 - ASTM C- 881, Type II, Grade 3, Class B and C. Epoxy Specification
 - ASTM D-4258-83: Standard Practice for Surface Cleaning Concrete for Coating.
 - ASTM D-4259-88: Standard Practice for Abrading Concrete.
 - ASTM D-4541-95: Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Tester.

C. ACCEPTANCE

D. Underwater pull test

1.4 PAYMENT PROCEDURES

- A. Payment for this item is included under other items.

PART 2 PRODUCTS

2.1 EPOXY

- A. Type: Two component, non solvent, moisture insensitive, non sag epoxy gel adhesive system, containing a minimum 100% solids with no diluents, wetting agents or volatile solvents, capable of being applied underwater and cure equally well above or below water. Cured system to be abrasion and impact resistant and comply with ASTM C-881, Type: II, Grade: 3, Class: B & C.
- B. PHYSICAL PROPERTIES: Physical Characteristics: Following are the required properties of cured materials, tested at 77 degrees F except as stated herein.

		ASTM
Flexural Strength	3,000 psi	D-790
Tensile Strength	5,000 psi	D-638
Compressive Strength	5,000 psi	D-695
Bond Strength	500 psi (24 hours)	C-321
Elongation @ 77°F	25%	D-638
Hardness (shore) @ 77°F	75-D ±5%	D-2240
Pot Life (3 oz.) @ 77°F	40 minutes	N/A
Gel Time (5 mil) @ 77°F	6-8 hours	N/A

PART 3 EXECUTION

3.1 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Coordinate storage locations with the Owner or his designated Representative.
- B. Deliver materials to site in their original tightly-sealed or unopened containers/packages with each container/package bearing the label of the manufacturer. All materials shall be labeled as to size, type, physical, and performance characteristics and agency approvals.
- C. Store and handle materials strictly in accordance with the requirements and recommendations of the Material Manufacturer and applicable code authority.
- D. Store sufficient quantity of grout and related components at/or near work site to assure that grouting operations will not be delayed.
- E. Provide a safe, level, adequate mixing station location in accordance with the requirements of 1.3 B of this specification.
- F. Mix and handle the Epoxy resin and Hardener, in accordance with the recommendations of the Manufacturer and all applicable safety codes. Implement and maintain all required and appropriate protective and safety measures to eliminate hazard to personnel.
- F. Store in a dry area, between 40°F and 95°F. Protect from direct sunlight. Provide materials in original un-opened containers with a minimum 1 year remaining shelf life.

3.2 EXCAVATION

- A. Excavate to line and grade at piers as shown on plans.
 - 1. Excavated Riprap material will be used for backfilling (see Section 02381S).
 - a. Do not replace or backfill with any fines material.
 - b. See Section 02381S for in-fill and leveling
 - 2. Do not backfill riprap material until after placement and curing of Fiber Reinforced Polymer Wrap, refer to Section 02481S.

3.3 APPLICATION

- A. Clean surfaces to be patched, free of any film, algae, dust, oil, grease, scale, laitance, curing compounds, or any other contaminants. Use water blasting, with sand assist where possible and allowed.
- B. Mix materials according to manufacturer requirements and recommendations.
- C. Application:
 - 1. Strictly in accordance with the requirements and recommendations of the material manufacturer. Consult with the epoxy manufacturer for detailed instruction when needed.
 - 2. Shape and mold the patching concrete uniformly around the treated areas. Smooth the material to match the original concrete surface.
 - 3. Mold the coating into the shape or contour of the substrate. The average thickness of application should vary between 1/8" and 1/4".
 - 4. Apply coating evenly and uniformly without skips or gaps.
 - 5. Provide edging at all extremities.
- D. Clean-Up: Remove uncured epoxy from tools and equipment with a suitable solvent such as xylene or toluene immediately after use. Cured material may only be removed mechanically.
 - 1. Provide that the tool clean-up station be a minimum 300 feet away from the river.
 - 2. Provide locked storage containers for cleaning fluids.
 - 3. Provide environmentally safe storage drums for used solvent and fluids.
 - 4. Provide leak proof containment beneath working area to contain any spillage of fluids.
 - 5. Dispose of any fluids, solvents, hazardous materials according to manufacturer recommendations.
 - 6. Do not dispose of any fluids, solvents, hazardous materials near or in the river.
- E. Limitations:

Protect treated areas against impact or strong currents for 48 hours.

END OF SECTION

November 20, 2002

**SPECIAL PROVISION
BHF-0191(13)129**

SECTION 03922 M

DELAMINATION REPAIR

Add the following to line B in paragraph 3.1, Preparation, under Part 3:

5. Do not allow any debris or loose material to fall into the Colorado River.

April 8, 2003

**SPECIAL PROVISION
BHF-0191(13)129**

SECTION 03924 M

STRUCTURAL CONCRETE REPAIR

Add the following to Part 1.2, Related Sections:

1.2 RELATED SECTIONS

- C. Section 02481 S: Fiber Reinforced Polymer Wrap
- D. Section 03350 S: Underwater Patching Concrete

Delete paragraph 3.1 Crack Repair, in Part 3 and replace with the following:

3.1 CRACK REPAIR

- A. Remove loose material from top of pier cap, properly disposing of these debris. Do not allow any material to fall into or be disposed of in the Colorado River.
- B. Cracks from 1/64 inch to 1/4 inch wide are to be repaired by epoxy injection and sealing. See Section 03935.
- C. Cracks greater than 1/4 inch wide are to be repaired as "delaminated concrete." See Section 03922.

Add the following line to paragraph 3.2, Delamination Repair, in Part 3:

- E. Contractor is to examine delamination around pedestals and submit a work plan for repair to the Engineer for approval. No delamination repair work will be done until after receipt of written approval from Engineer.